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FIGURE 1

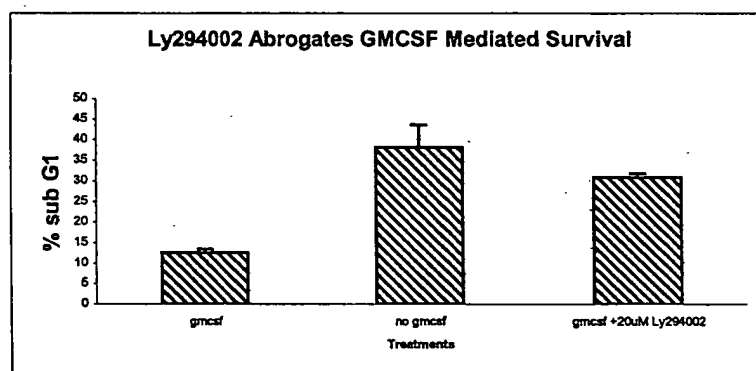
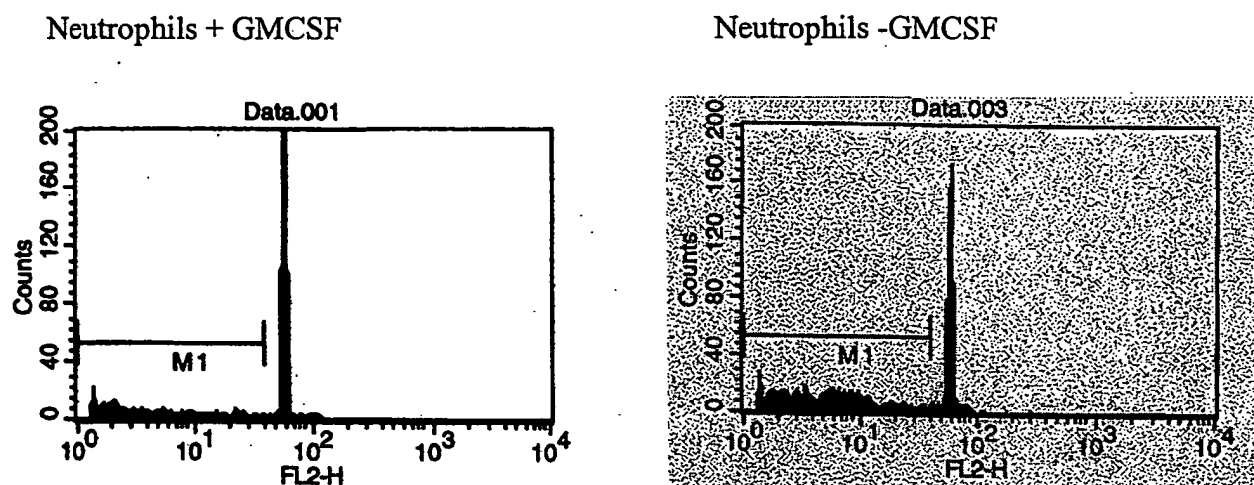


FIGURE 2

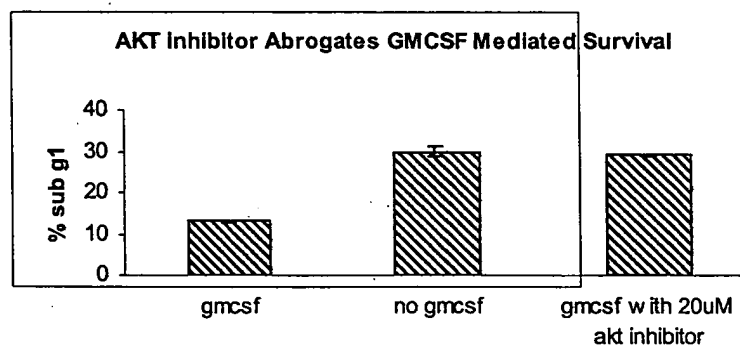


FIGURE 3

FIGURE 4

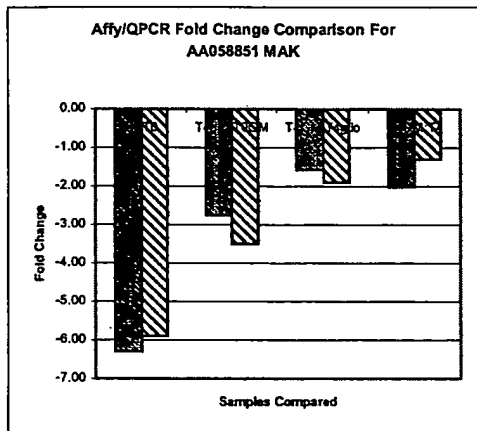
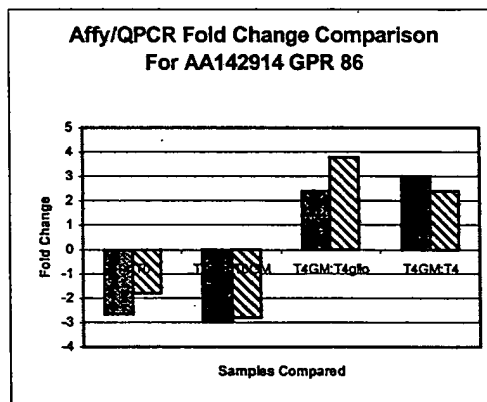
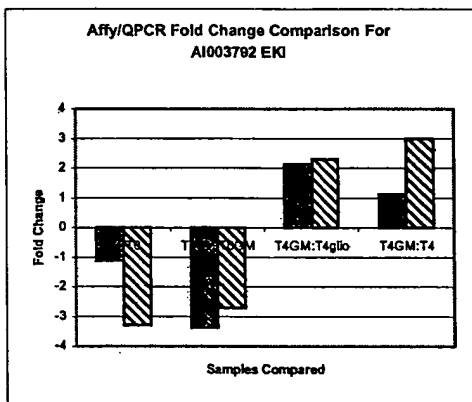
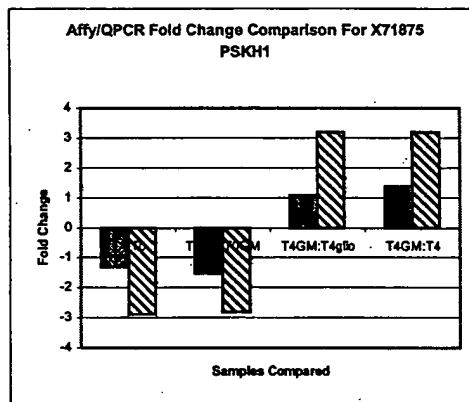
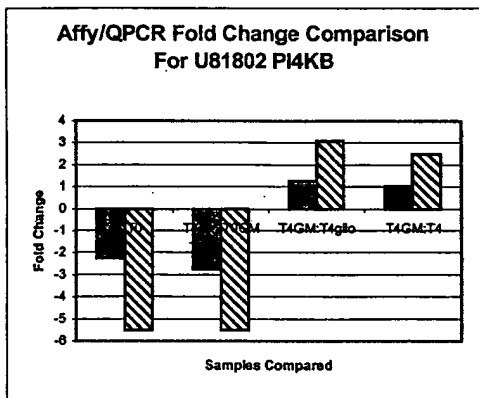
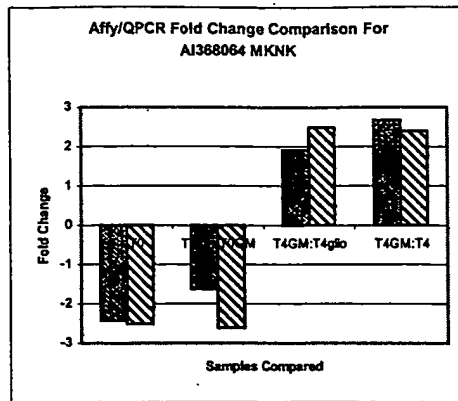
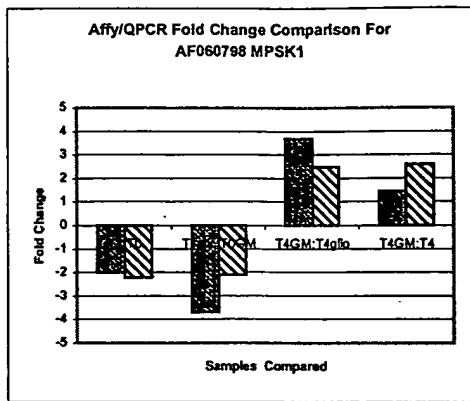


FIGURE 5

	BA2	DAGK	EKI	GPR12	GPR86	GRAF	ITPKG	NTKL	RBSK	ROCK1	ULK1	UKH
SK-BR-3	Breast											SK-BR-3
MDA-MB-175	Breast											MDA-MB-175
MDA-MB-231	Breast											MDA-MB-231
MCF7 RPI	Breast											MCF7 RPI
MDA-MB-435 BAG	Breast											MDA-MB-435 BAG
MCF7	Breast											MCF7
HB4a (C5.2)	Breast											HB4a (C5.2)
HB4a	Breast											HB4a
MDA-MB-468	Breast											MDA-MB-468
CAMA-1	Breast											CAMA-1
AUS65	Breast											AUS65
ZR-75-1	Breast											ZR-75-1
BT-483	Breast											BT-483
BT-474	Breast											BT-474
MDA-MB-436	Breast											MDA-MB-436
C-33A	Cervix											C-33A
HeLa	Cervix											HeLa
COLO205	Colorectal											COLO205
COLO201	Colorectal											COLO201
HCT 116	Colorectal											HCT 116
HT-29	Colorectal											HT-29
SW48	Colorectal											SW48
293 (ATCC)	Kidney											293 (ATCC)
H209	Lung											H209
HOP92	Lung											HOP92
H460	Lung											H460
MSTO211	Lung											MSTO211
A549	Lung											A549
NCH-H69	Lung											NCH-H69
H460a	Lung											H460a
NCI-H322	Lung											NCI-H322
SK-MEL-31	Melanoma											SK-MEL-31
SK-MEL-28	Melanoma											SK-MEL-28
SM-MEL-2	Melanoma											SM-MEL-2
SK-MEL-2(T)	Melanoma											SK-MEL-2(T)
A2058	Melanoma											A2058
IGROV-1	Ovarian											IGROV-1
TOV-112D	Ovarian											TOV-112D
SW626	Ovarian											SW626
TOV-21G	Ovarian											TOV-21G
A2780	Ovarian											A2780
OV-90	Ovarian											OV-90
OVCAR-3	Ovarian											OVCAR-3
SKOV-3	Ovarian											SKOV-3
Caov-3	Ovarian											Caov-3
ES-2	Ovarian											ES-2
MDAH-2774	Ovarian											MDAH-2774
A1165	Pancreatic											A1165
PANC-1	Pancreatic											PANC-1
Capan-1	Pancreatic											Capan-1
Capan-2	Pancreatic											Capan-2
HPAC	Pancreatic											HPAC
MDA-Pca-2b	Prostate											MDA-Pca-2b
RWPE-2	Prostate											RWPE-2
DJ145	Prostate											DJ145
22Rv1	Prostate											22Rv1
PC-3	Prostate											PC-3
RWPE-1	Prostate											RWPE-1
LNCaP	Prostate											LNCaP
MES-SA	Uterus											MES-SA
KLE	Uterus											KLE



+GMCSF

-GMCSF

FIGURE 6

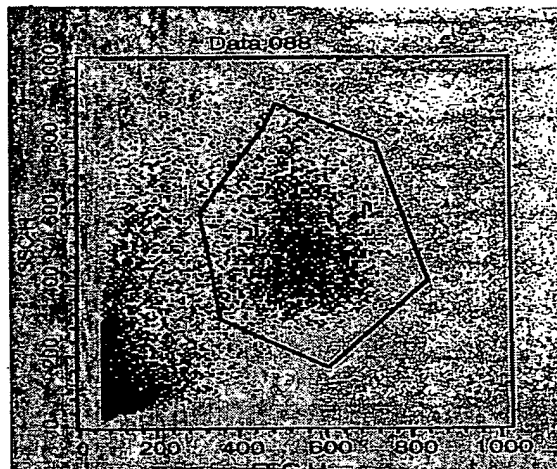
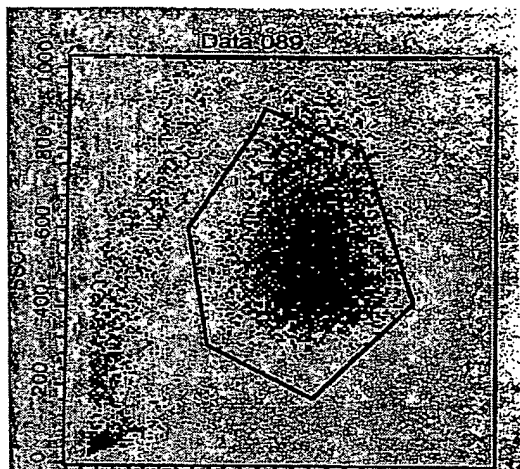


FIGURE 7

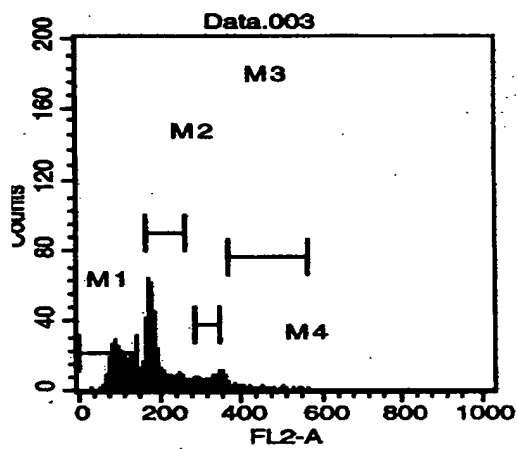
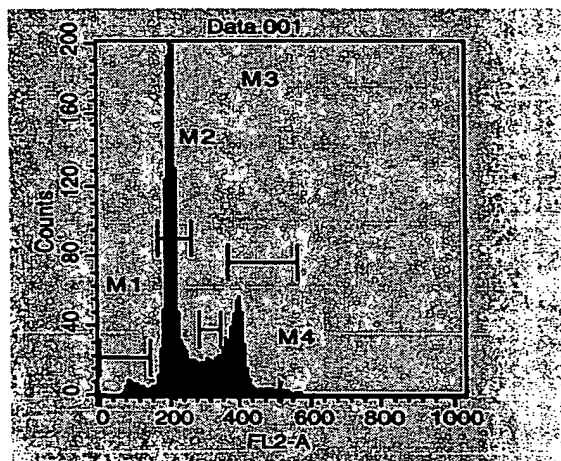
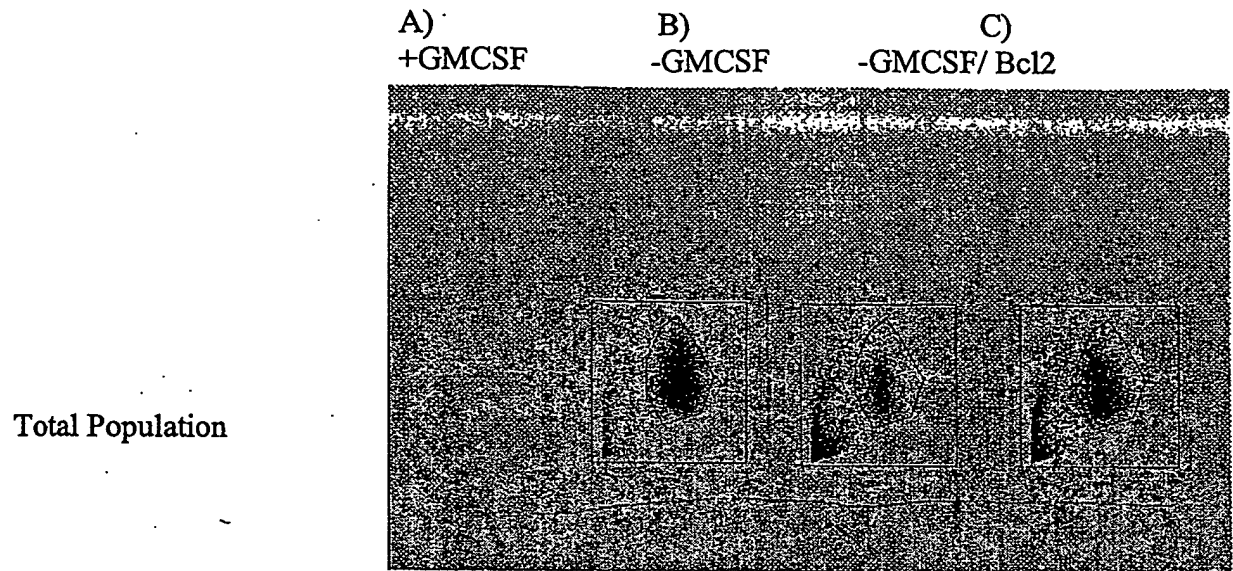


FIGURE 8



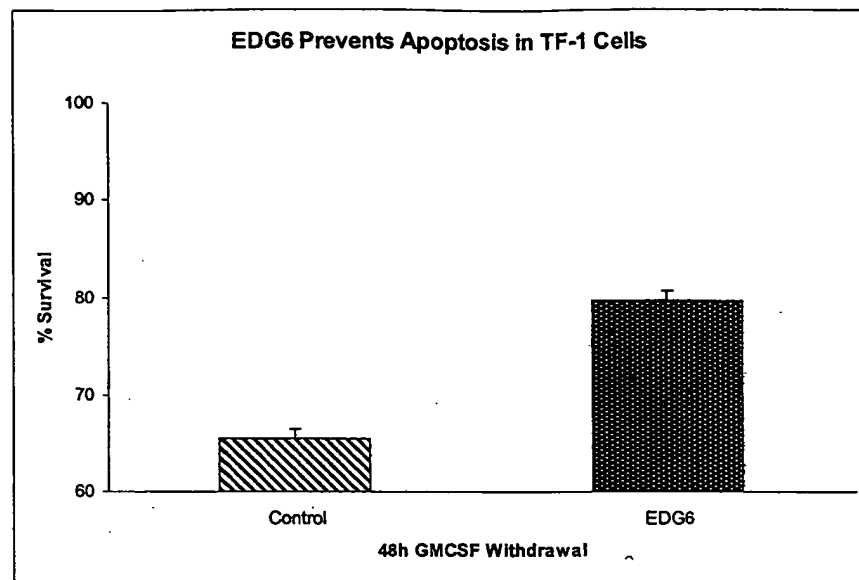


FIGURE 9

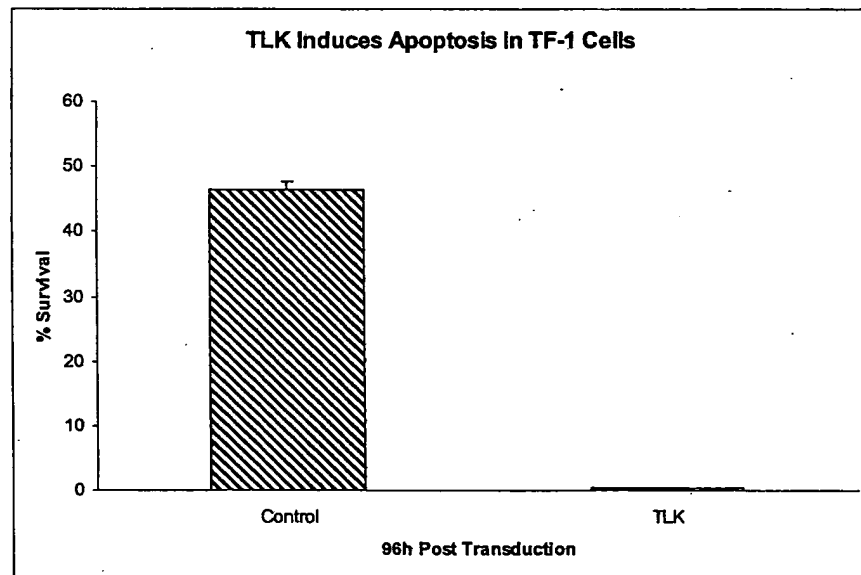


FIGURE 10

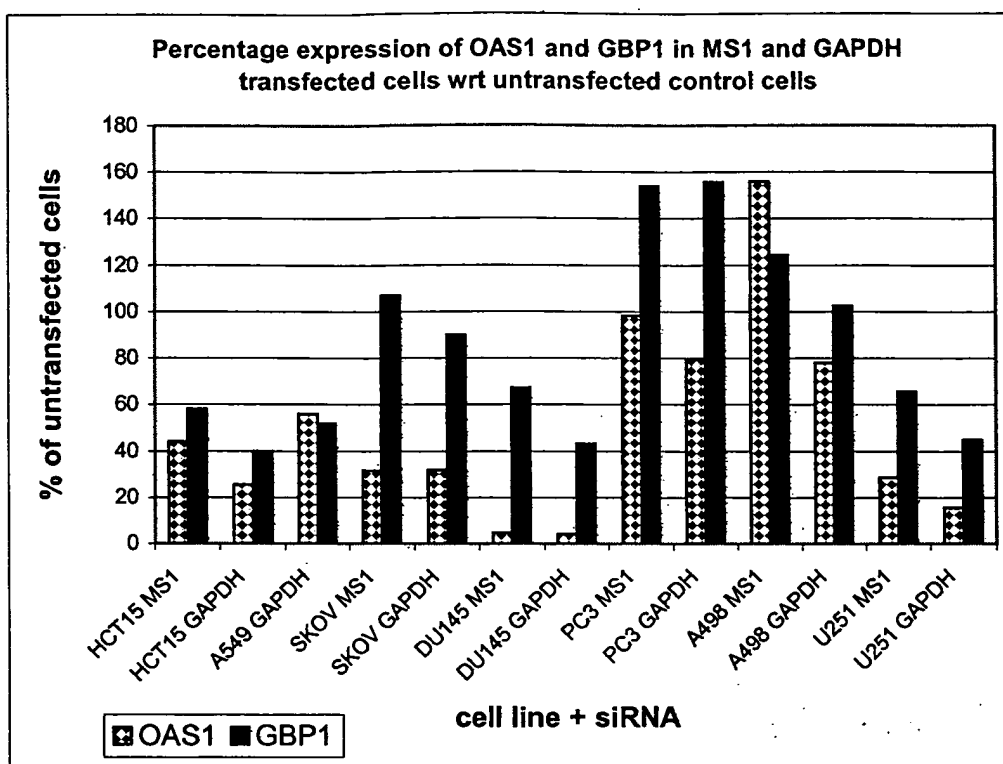
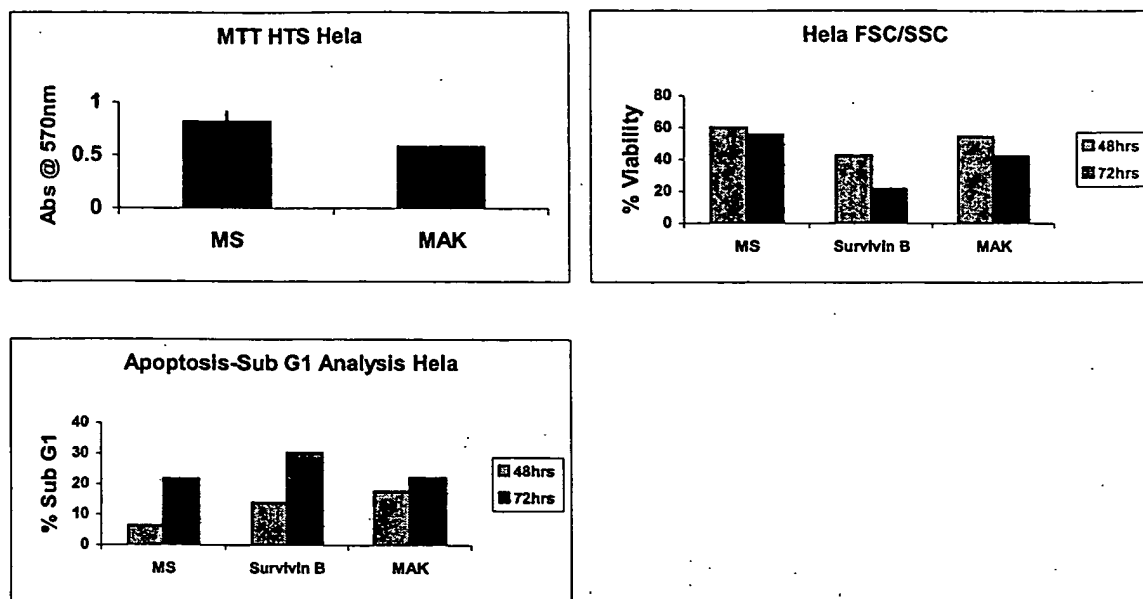


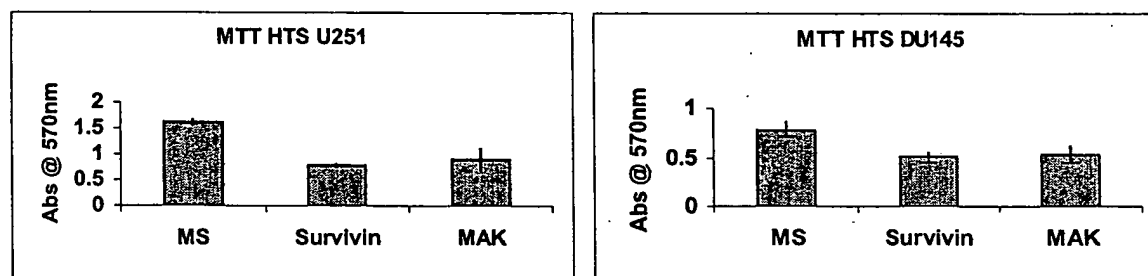
FIGURE 11

Figure 12 Apoptosis modulation by siRNA Knockdown of MAK

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cancer Cell Lines as determined by MTT HTS Analysis.



(c) Knockdown of MAK does not induce Apoptosis in the following cell types as detected by MTT HTS.

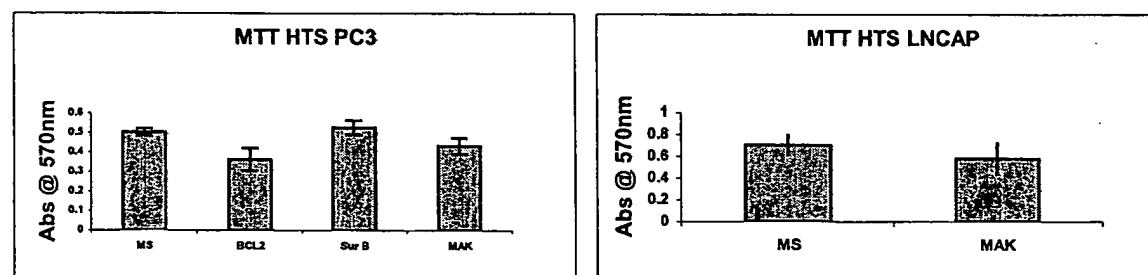
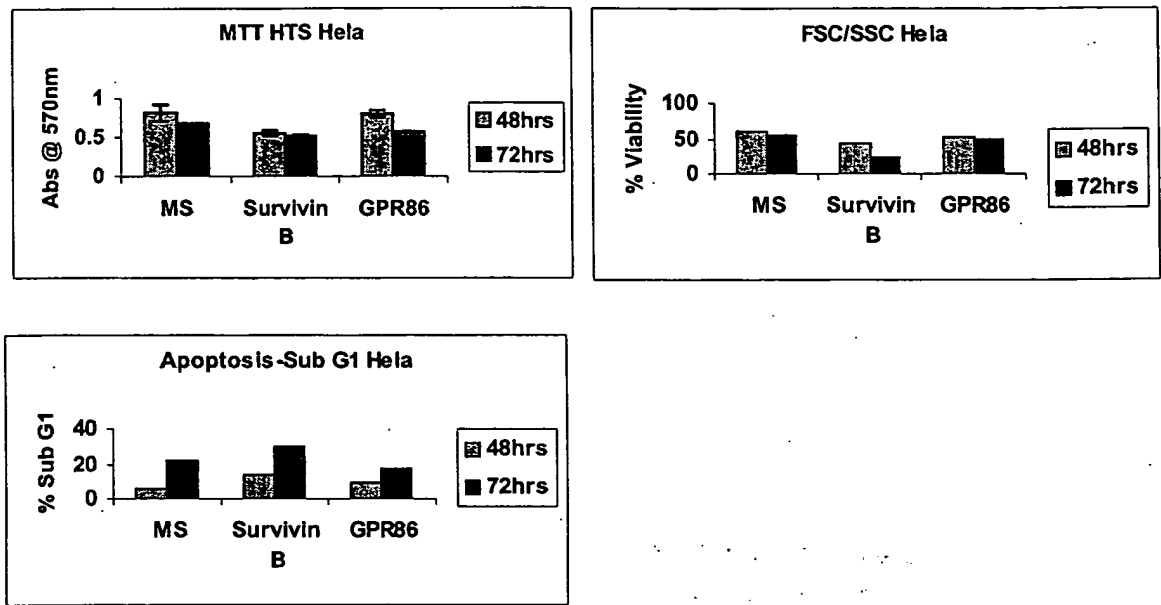
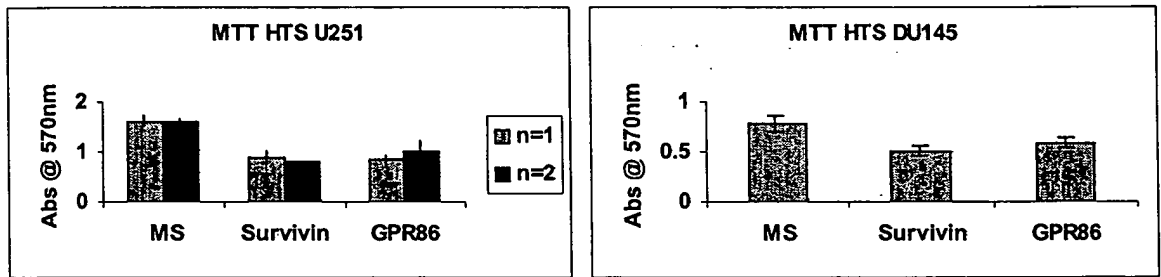


Figure 13 Apoptosis modulation by siRNA Knockdown of GPR86

(a) Apoptosis in the Hela Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cancer Cell Lines as detected by MTT HTS Analysis.



(c) Apoptosis induced in other Cell Lines as detected by FSC/SSC Analysis.

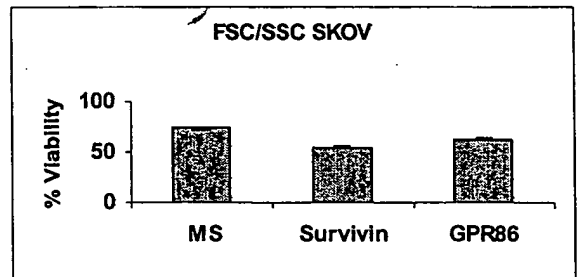
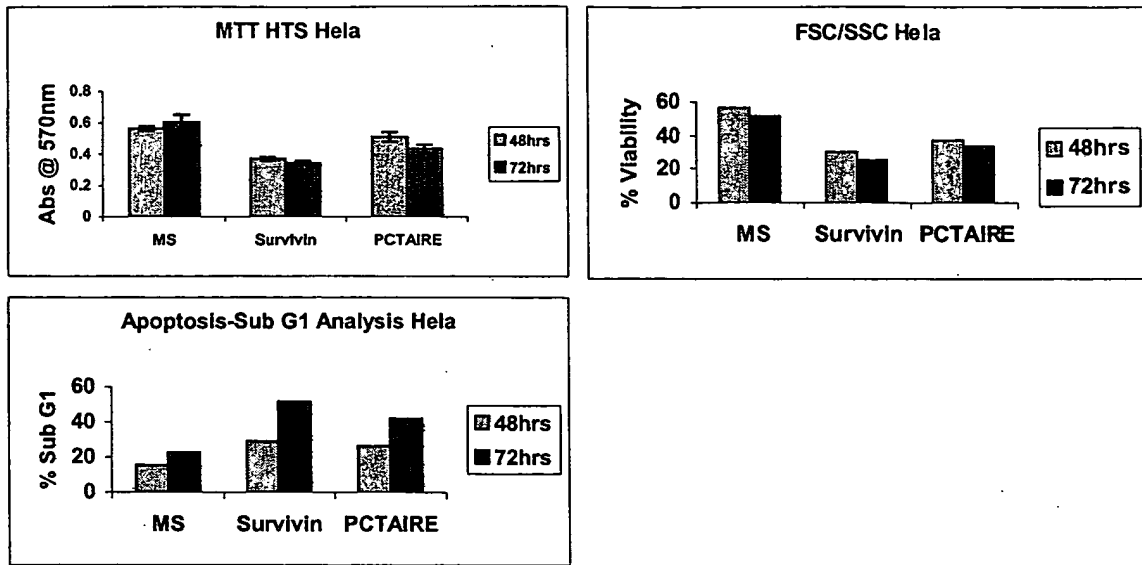
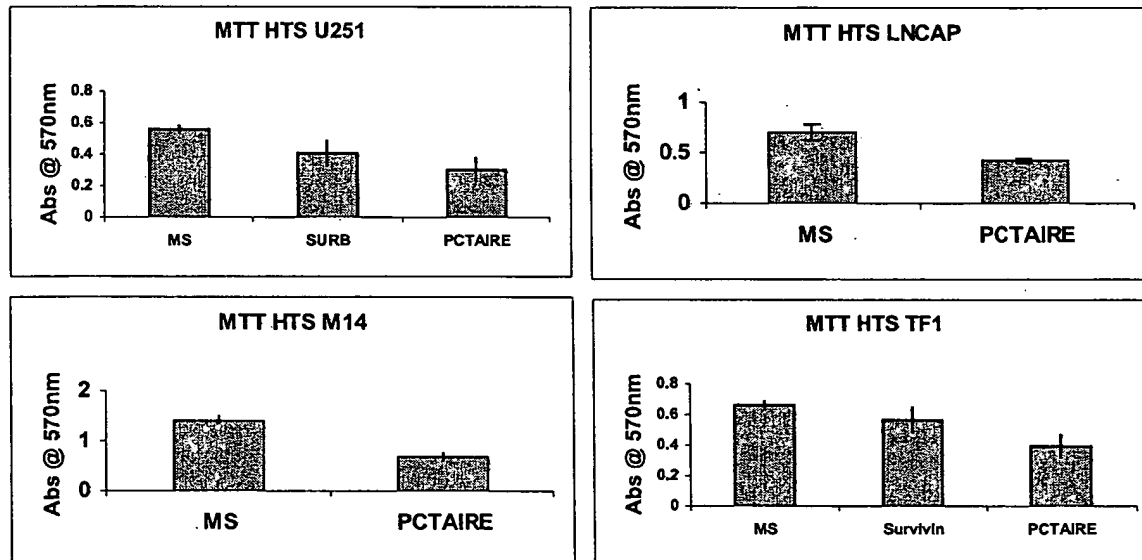


Figure 14 Apoptosis modulation by siRNA Knockdown of PCTAIRE

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cell Lines as detected by MTT HTS Analysis.



(c) Knockdown of PCTAIRE does not induce Apoptosis in the Prostate cancer cell type as detected by MTT HTS.

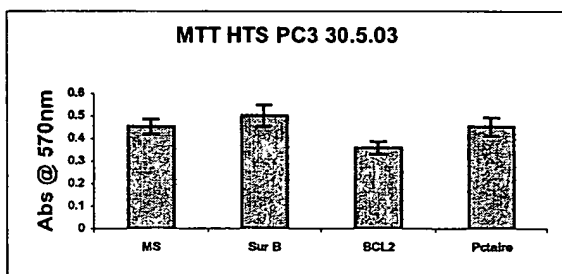
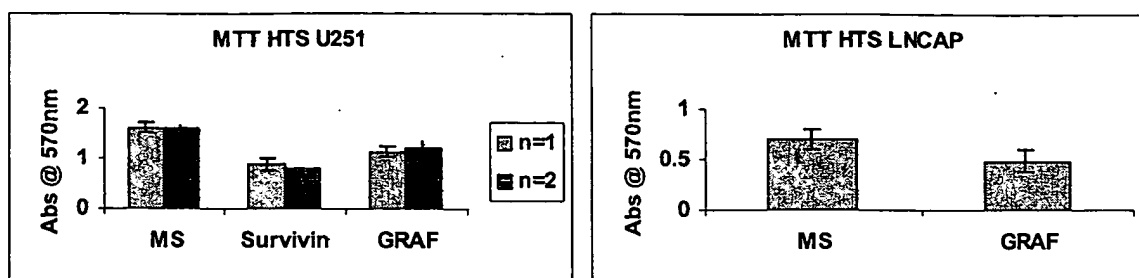


Figure 15 Apoptosis modulation by siRNA Knockdown of GRAF

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(b) GRAF knockdown does not induce Apoptosis in the Hela cervical cancer cell line as detected by MTT HTS.

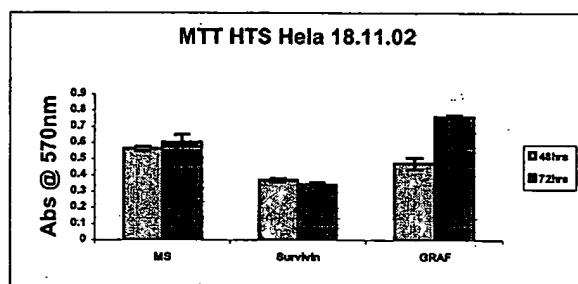
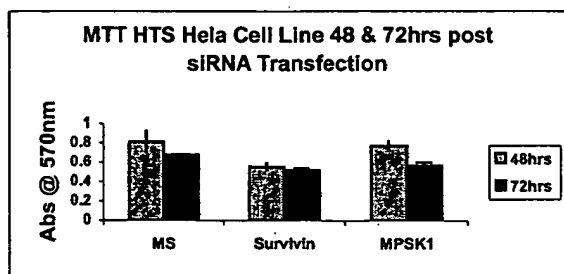


Figure 16 Apoptosis modulation by siRNA Knockdown of MPSK1

(a) Knockdown of MPSK1 does not induce Apoptosis in the Hela cervical cancer cell line as detected by MTT HTS.



(b) Apoptosis induced in Cancer Cell Lines as detected by MTT HTS Analysis.

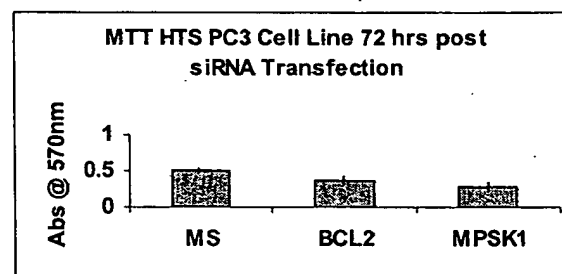
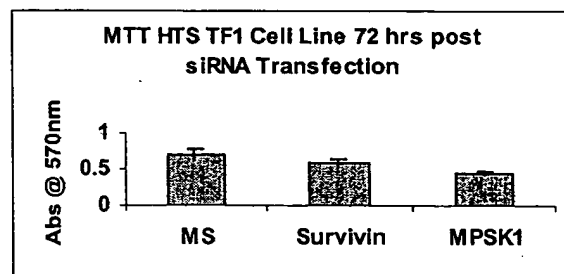
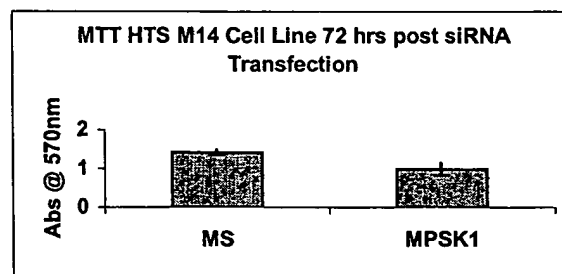
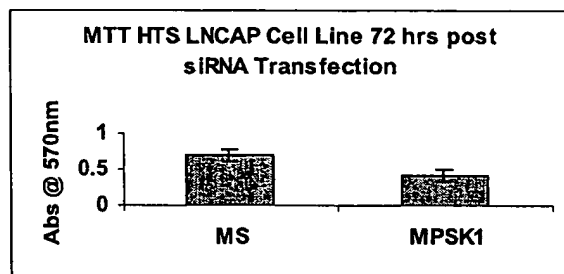
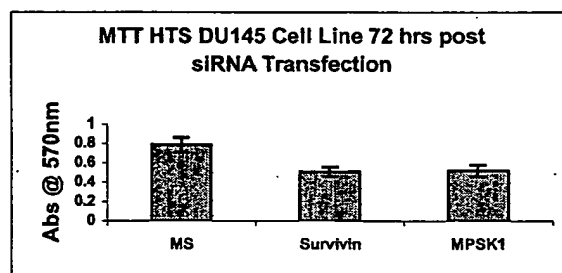
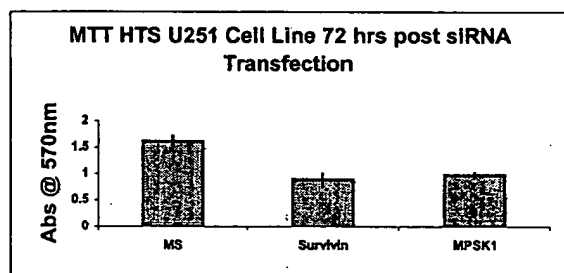


Figure 17 Apoptosis modulation by siRNA Knockdown of RS6PK

(a) Apoptosis induced in the CNS Cancer Cell Line as detected by MTT HTS Analysis.

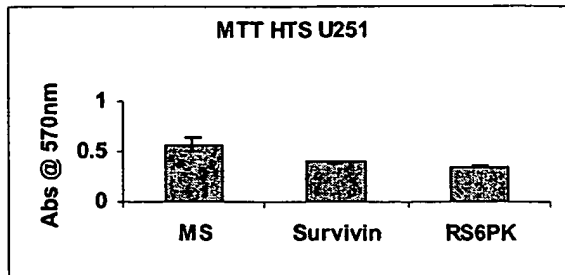
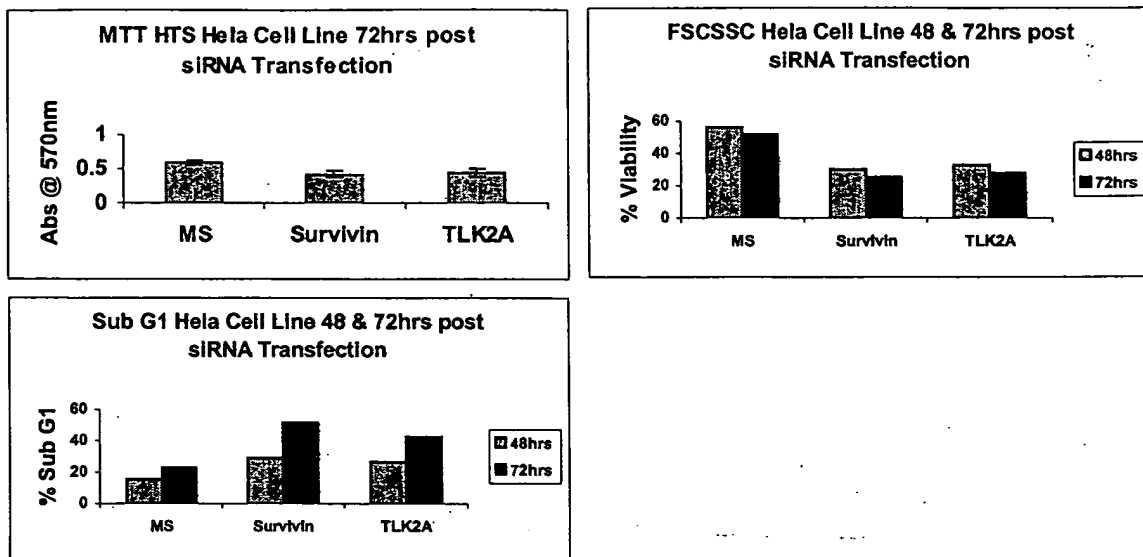


Figure 18 Apoptosis modulation by siRNA Knockdown of TLK2
 Note that 2 siRNA Oligos to TLK2 are investigated i.e. TLK2A and TLK2B.

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

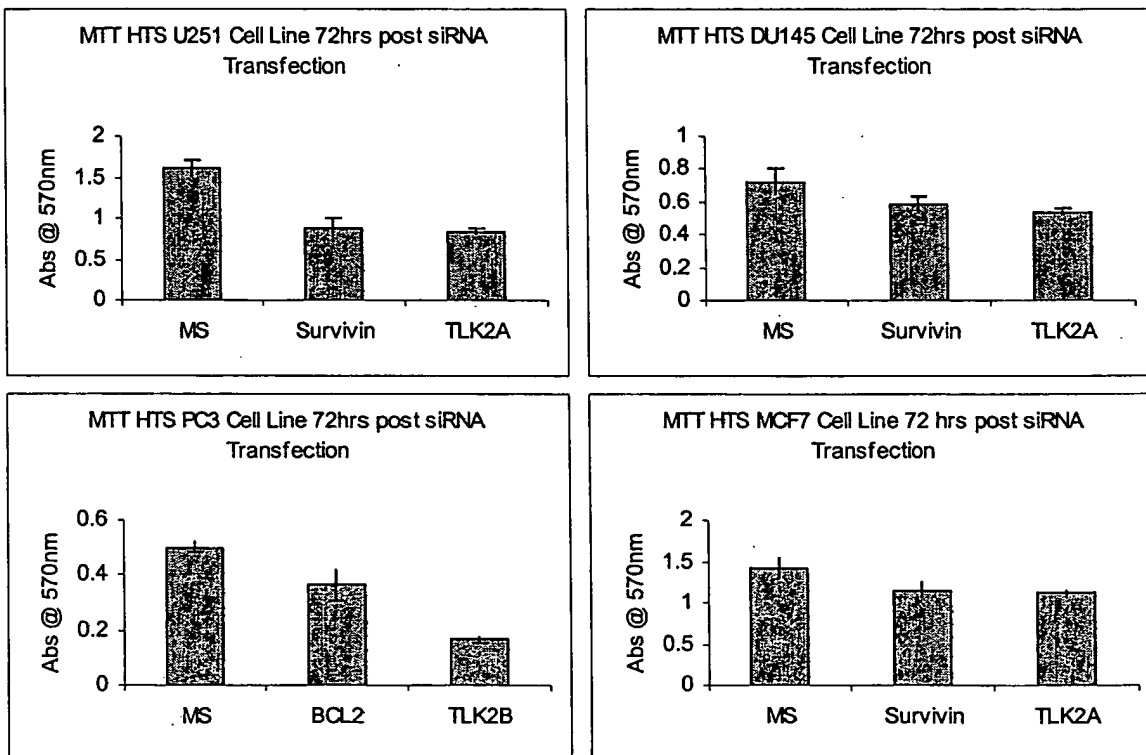
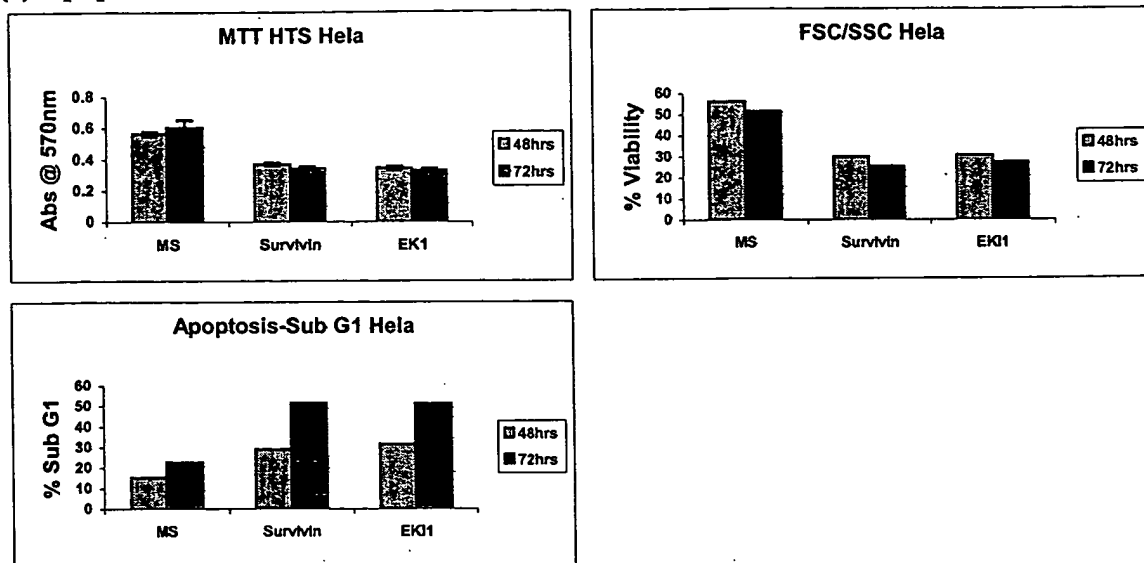


Figure 19 Apoptosis modulation by siRNA Knockdown of EK1

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

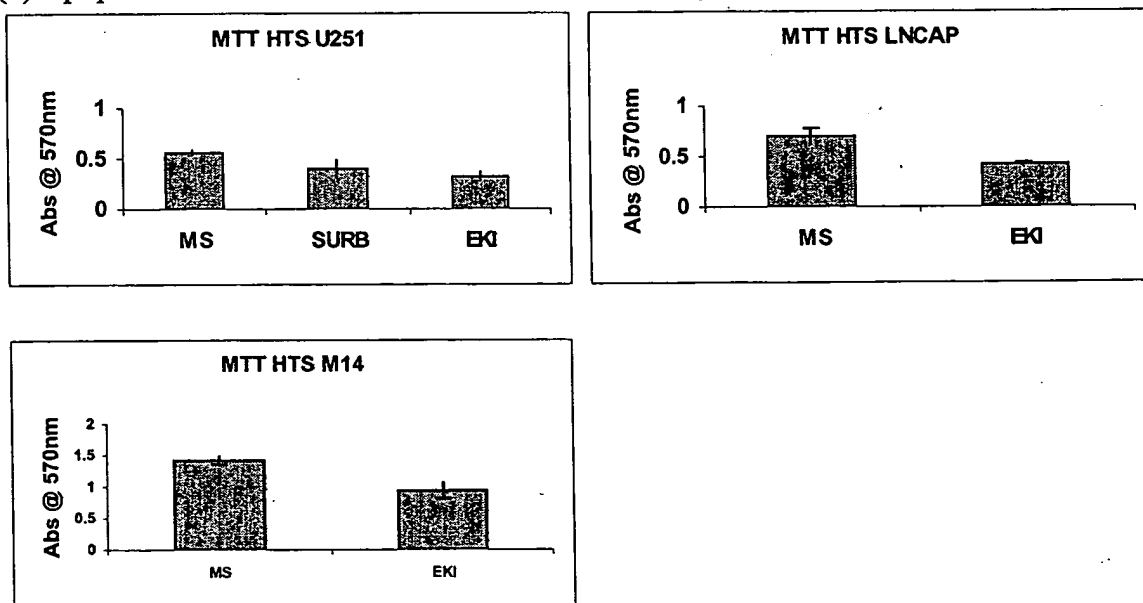
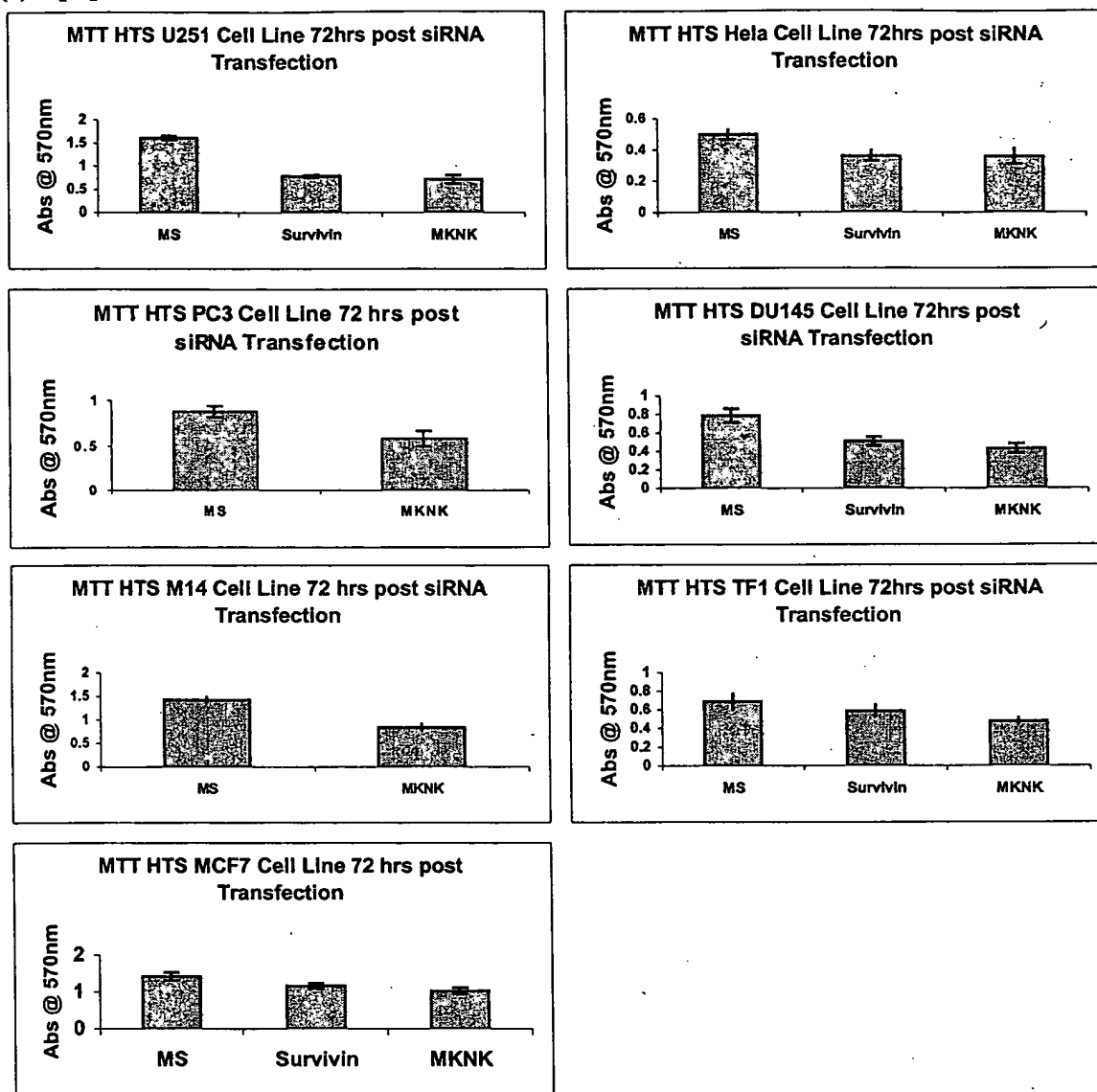


Figure 20 Apoptosis modulation by siRNA Knockdown of MKNK

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(B) Apoptosis in SKOV3 Cancer Cell Line as detected by FSC/SSC Analysis.

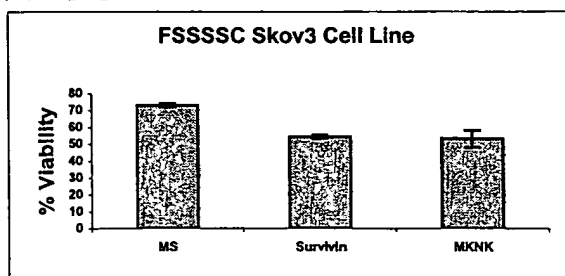
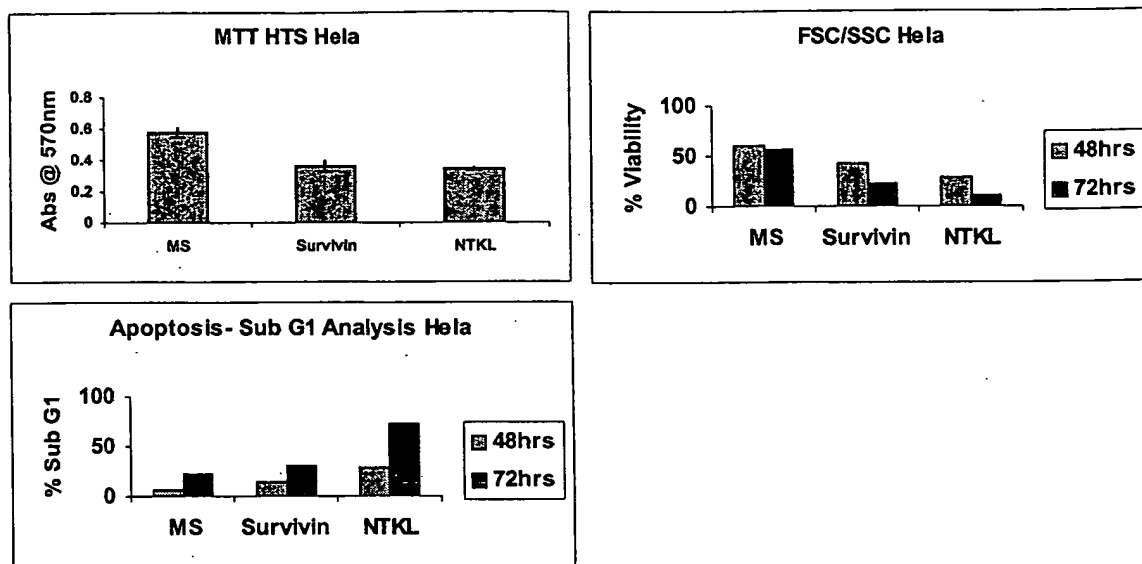


Figure 21 Apoptosis modulation by siRNA Knockdown of NTKL

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in the U251 Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.

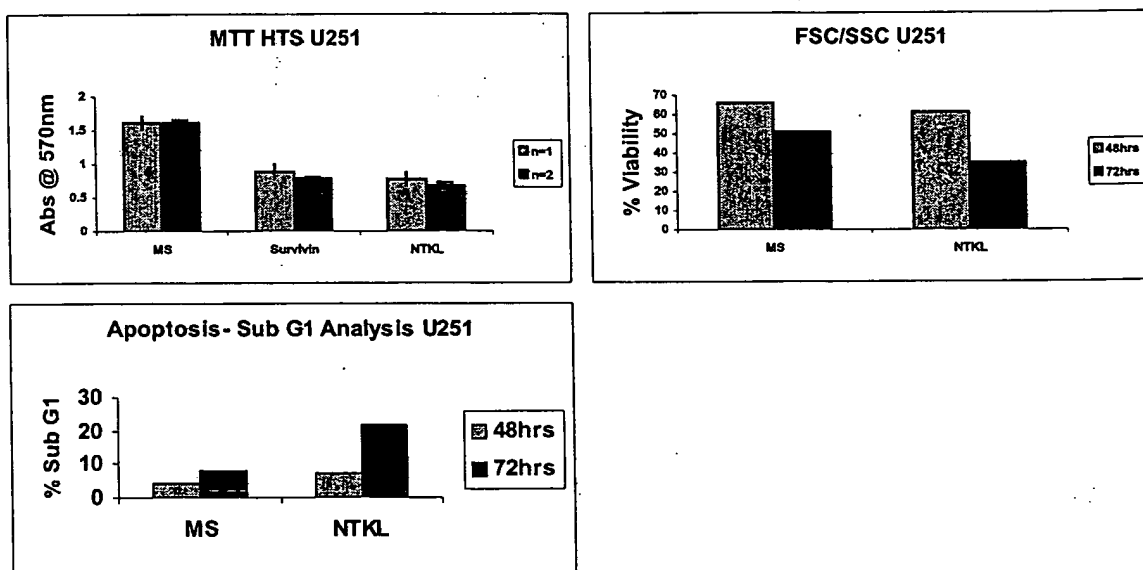
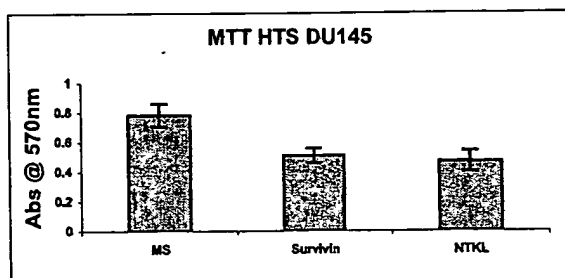


Figure 21 cont'd

(c) Apoptosis in the Prostate Cancer Cell Line DU145 as detected by MTT HTS Analysis.



(d) No Apoptosis was induced in the LNCAP Prostate Cancer Cell Line as detected by MTTHTS Analysis.

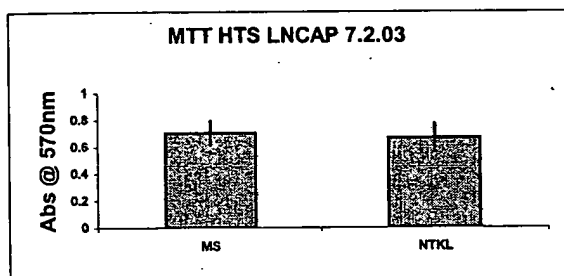
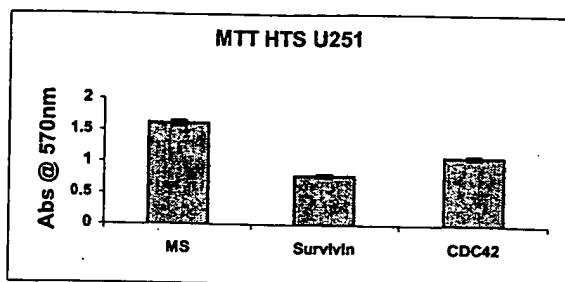
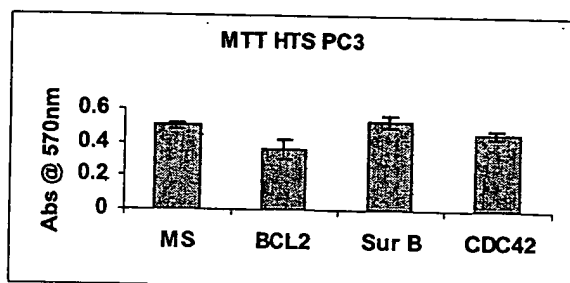


Figure 22 Apoptosis modulation by siRNA Knockdown of CDC42

(a) Apoptosis in the CNS Cancer Cell Line as detected by MTT HTS Analysis.



(b) Apoptosis was not induced in the following Prostate Cancer Cell Line as detected by MTT HTS Analysis.



(c) Apoptosis was not induced in the HeLa cell line by MTT HTS, FSC/SSC or Sub G1 Analysis.

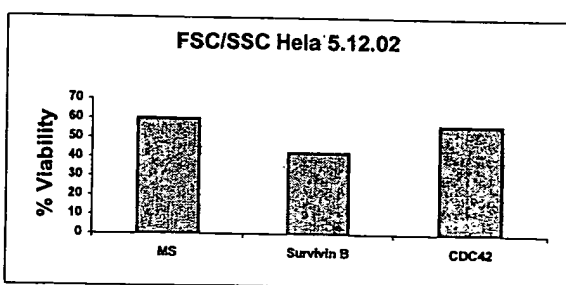
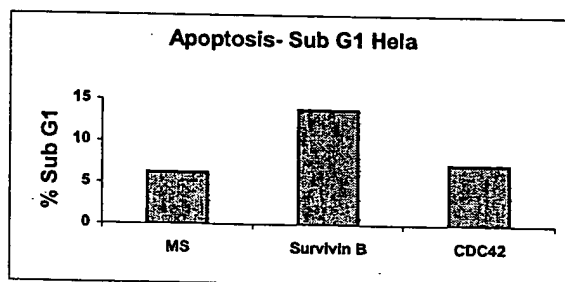
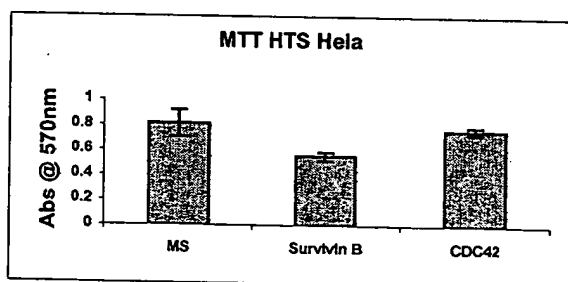
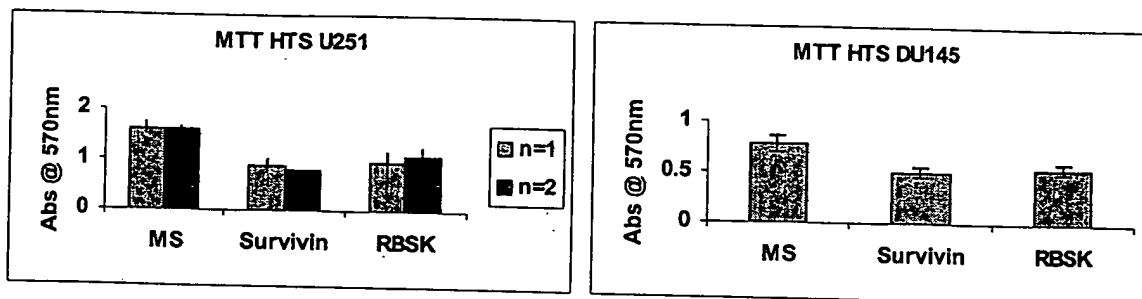


Figure 23 Apoptosis modulation by siRNA Knockdown of RBSK

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(b) Apoptosis was not induced in the Hela Cancer Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.

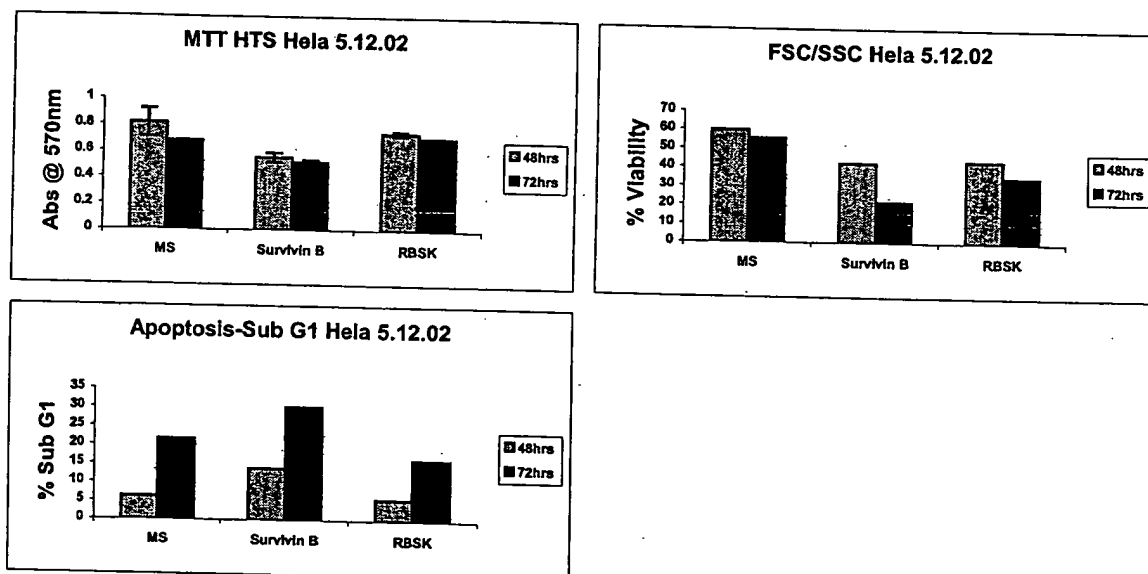
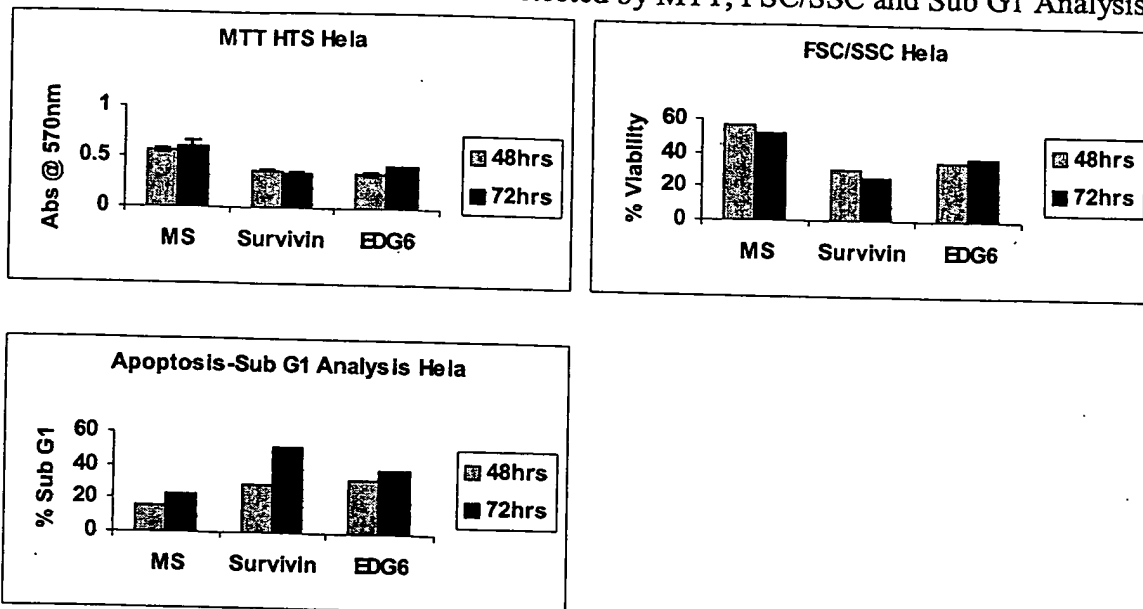


Figure 24 Apoptosis modulation by siRNA Knockdown of EDG6

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

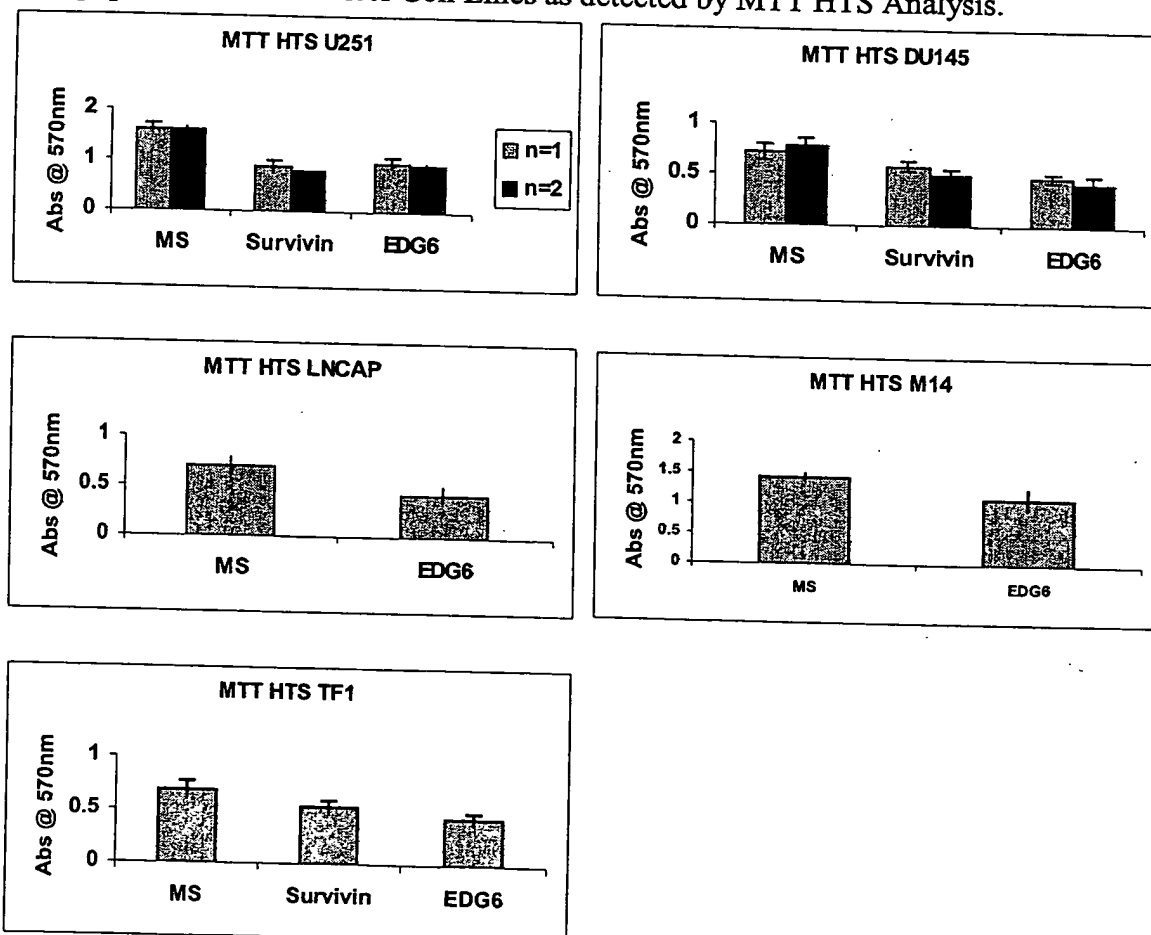
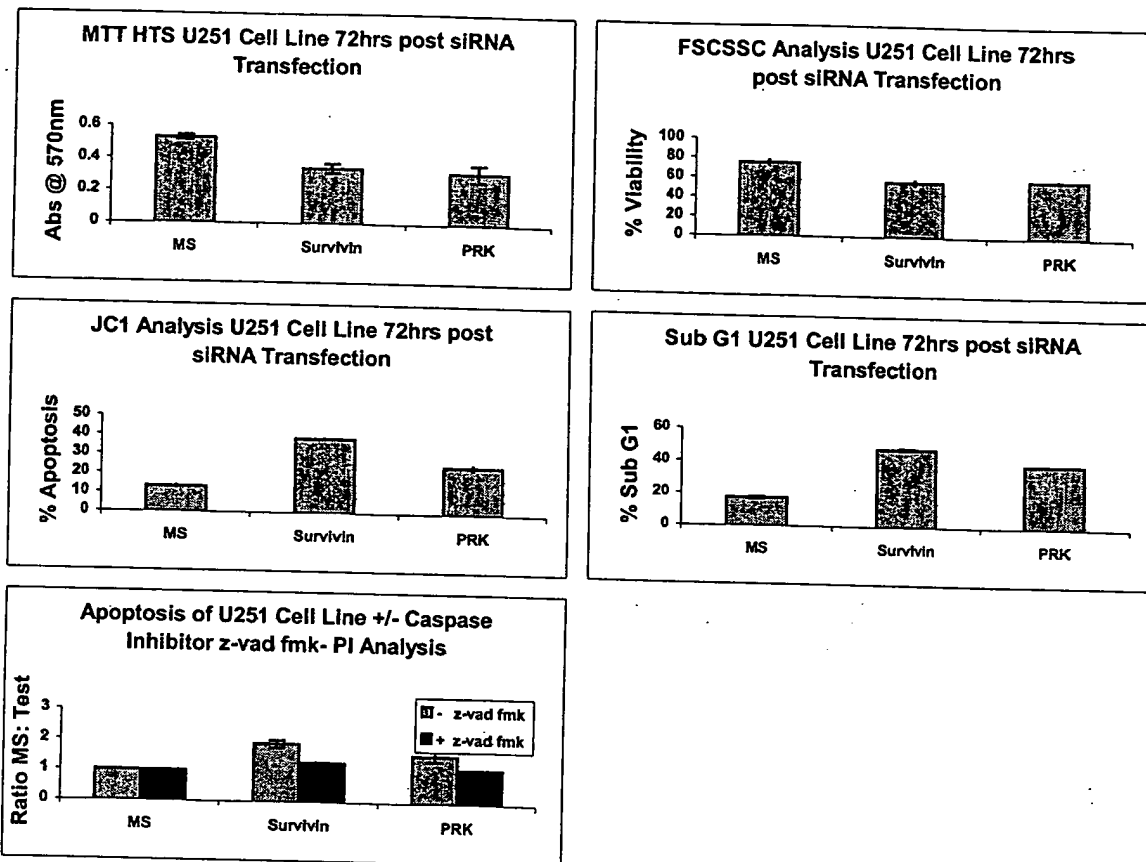


Figure 25 Apoptosis modulation by siRNA Knockdown of PRK

(a) Apoptosis in the U251 Cell Line as detected by MTT, FSC/SSC, Sub G1 Analysis, JC1 and Caspase Activation Assays.



(b) No Apoptosis is induced in the PC3 Cell Line as detected by MTT HTS and Sub G1 Analysis.

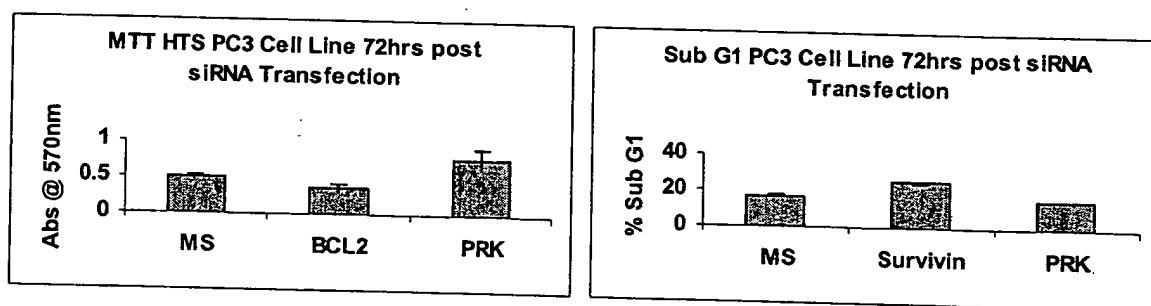
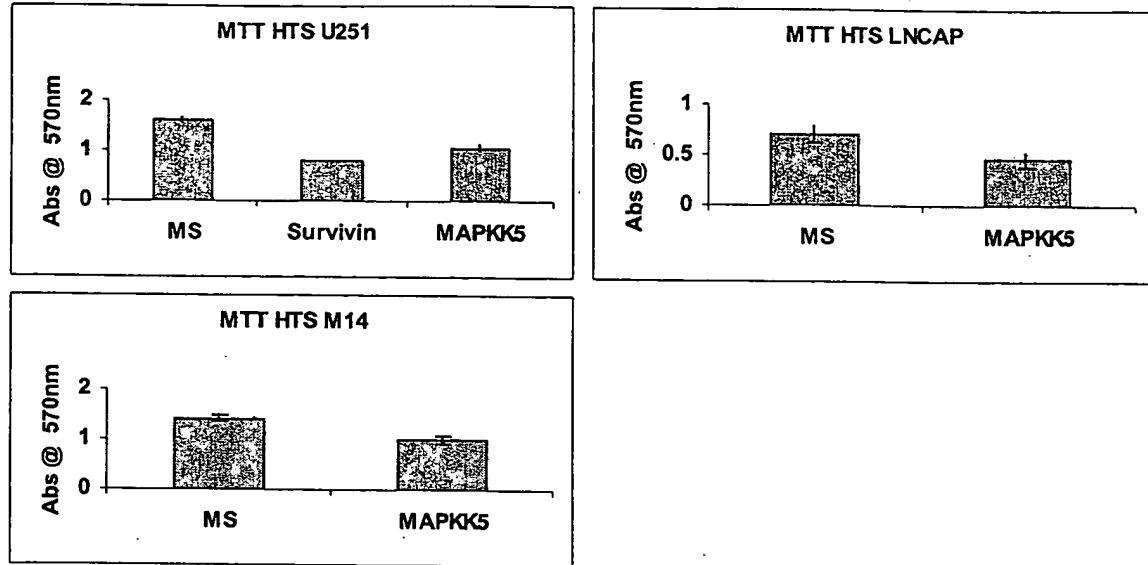
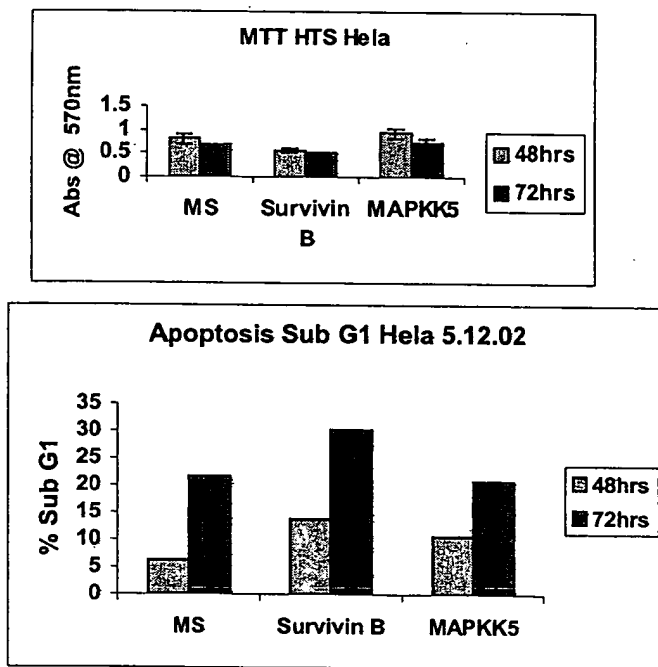


Figure 26 Apoptosis modulation by siRNA Knockdown of MAPKK5

(a) Apoptosis in the Cancer Cell Lines as detected by MTT HTS Analysis.



(b) Apoptosis is not induced in the Hela Cancer Cell Line as detected by MTT HTS or Sub G1 Analysis.



(c) Apoptosis in the DU145 Cell Line as detected by FSC/SSC Analysis.

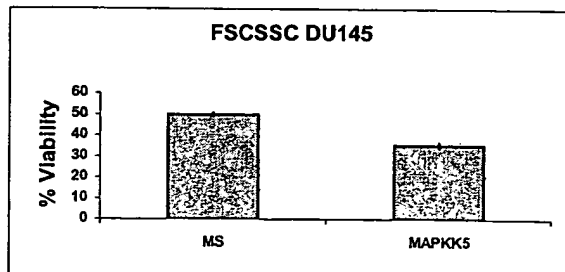
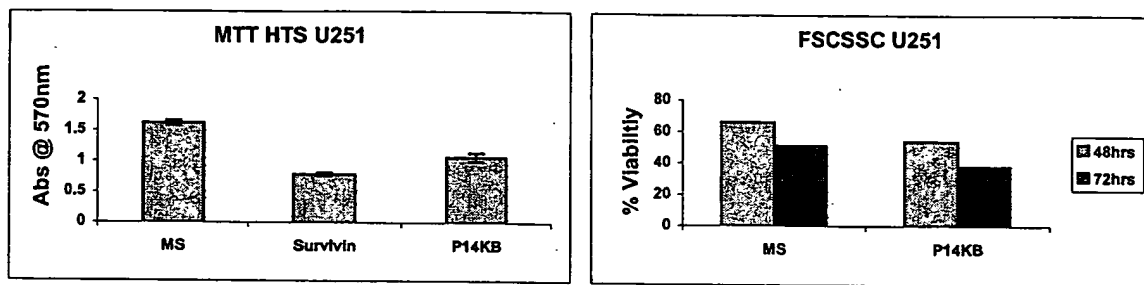
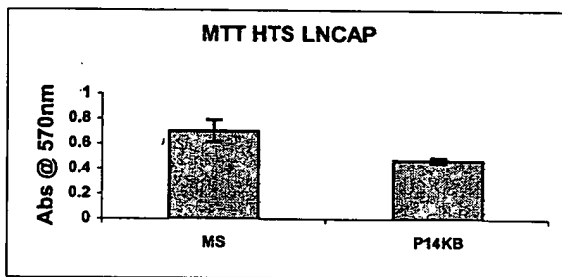


Figure 27 Apoptosis modulation by siRNA Knockdown of P14KB

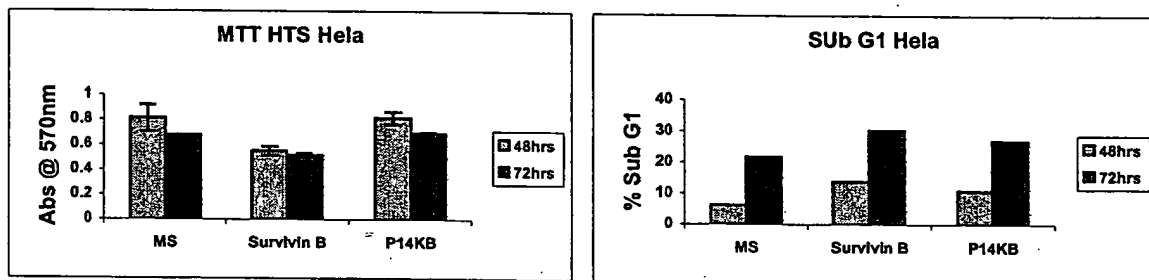
(a) Apoptosis in the U251 Cancer Cell Line as detected by MTT HTS and FSC/SSC Analysis.



(b) Apoptosis in the Prostate Cancer Cell Lines, DU145, as detected by MTT HTS Analysis.



(c) Apoptosis is not induced in the Hela Cancer Cell Line as detected by MTT HTS and Sub G1 Analysis.



(d) Apoptosis is not induced in the PC3 Cancer Cell Line as detected by FSC/SSC Analysis.

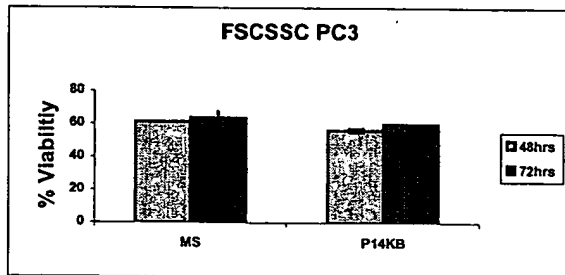


Figure 27 cont'd

(e) Apoptosis is not induced in the OVCAR3 Cancer Cell Line as detected by Sub G1 Analysis.

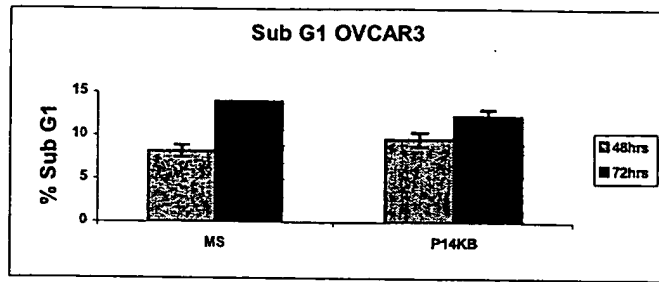
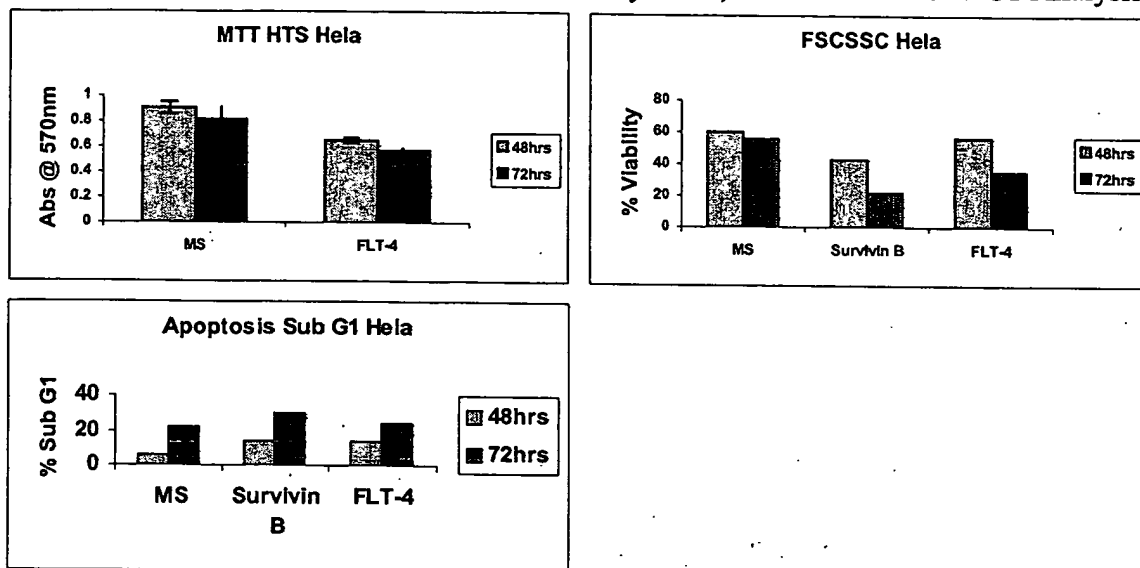


Figure 28 Apoptosis modulation by siRNA Knockdown of FLT4

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.

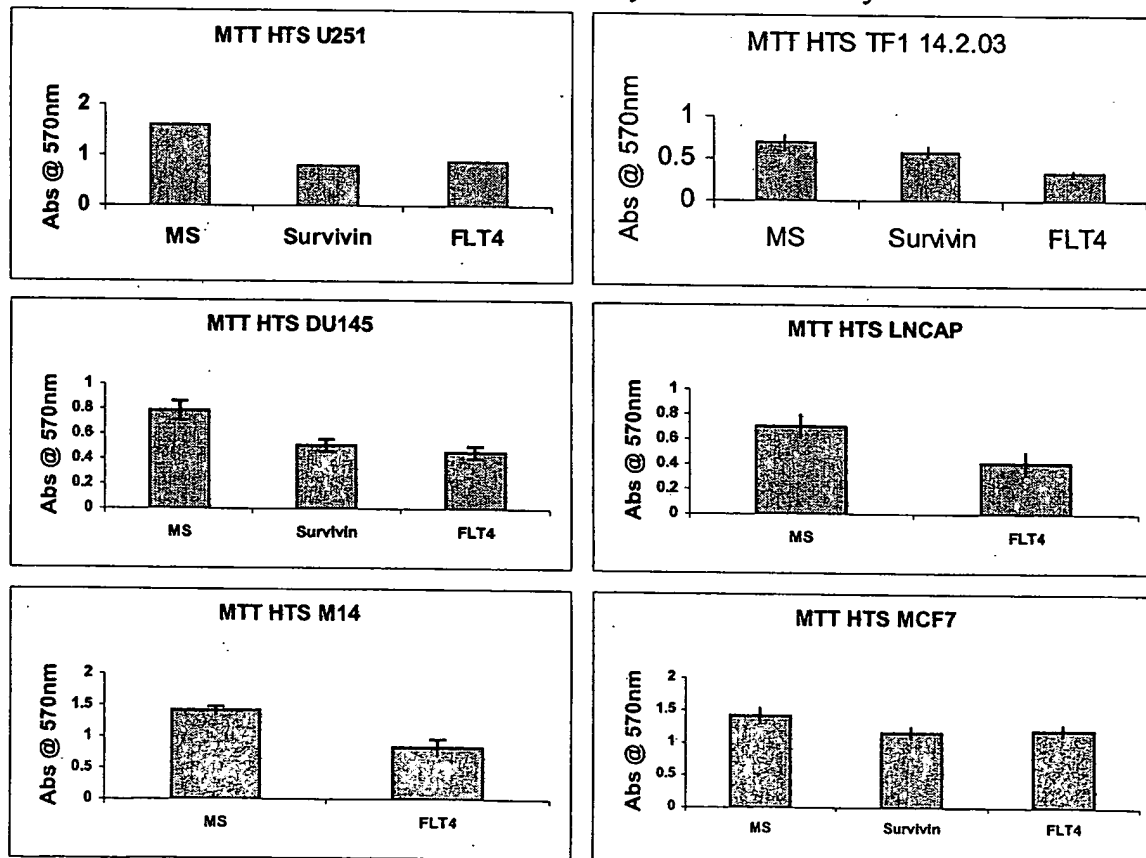
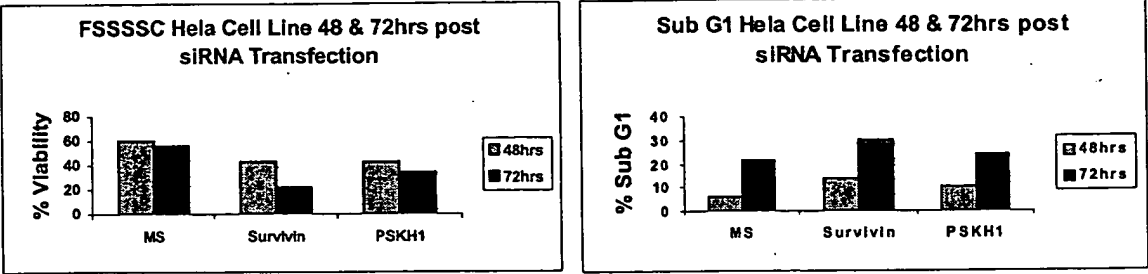


Figure 29 Apoptosis modulation by siRNA Knockdown of PSKH1

(a) Apoptosis in the Hela Cancer Cell Line as detected by FSC/SSC and Sub G1 Analysis



(b) Apoptosis in other Cell Lines as detected by MTT HTS Analysis.

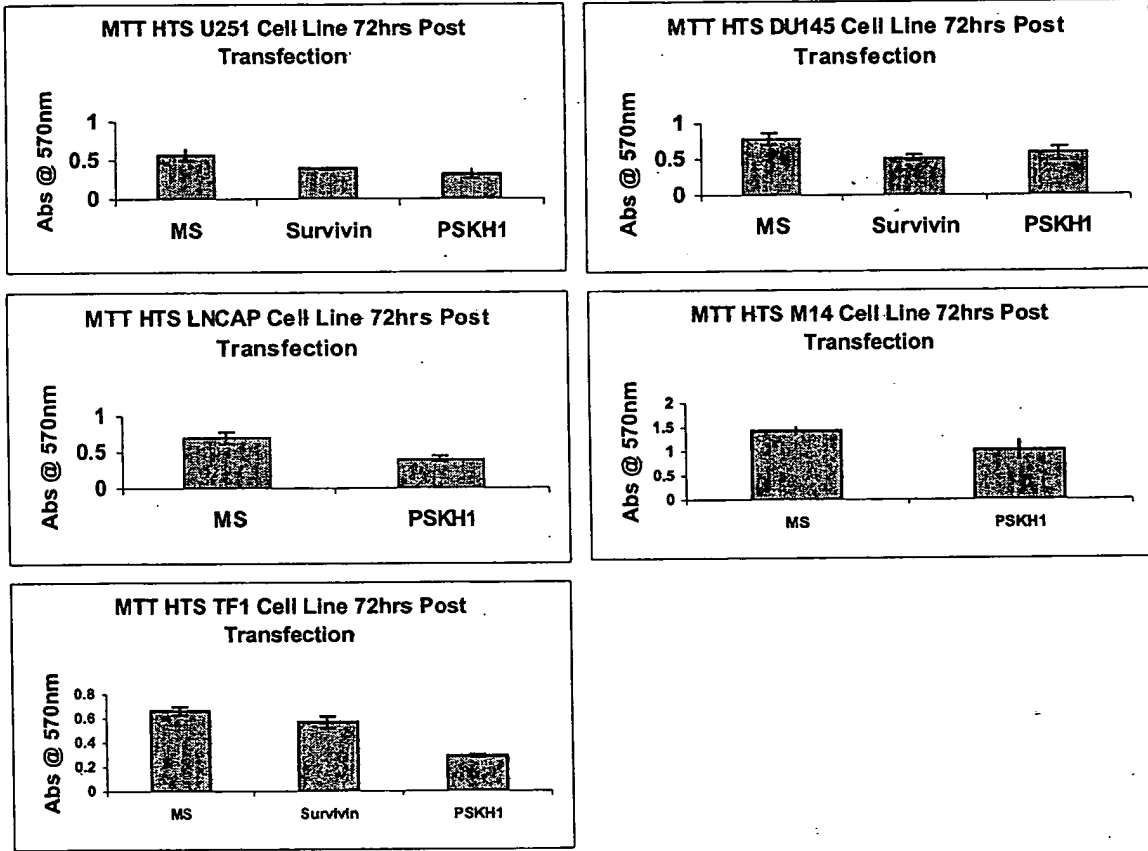


Figure 30 Apoptosis modulation by siRNA Knockdown of ITPKC

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.

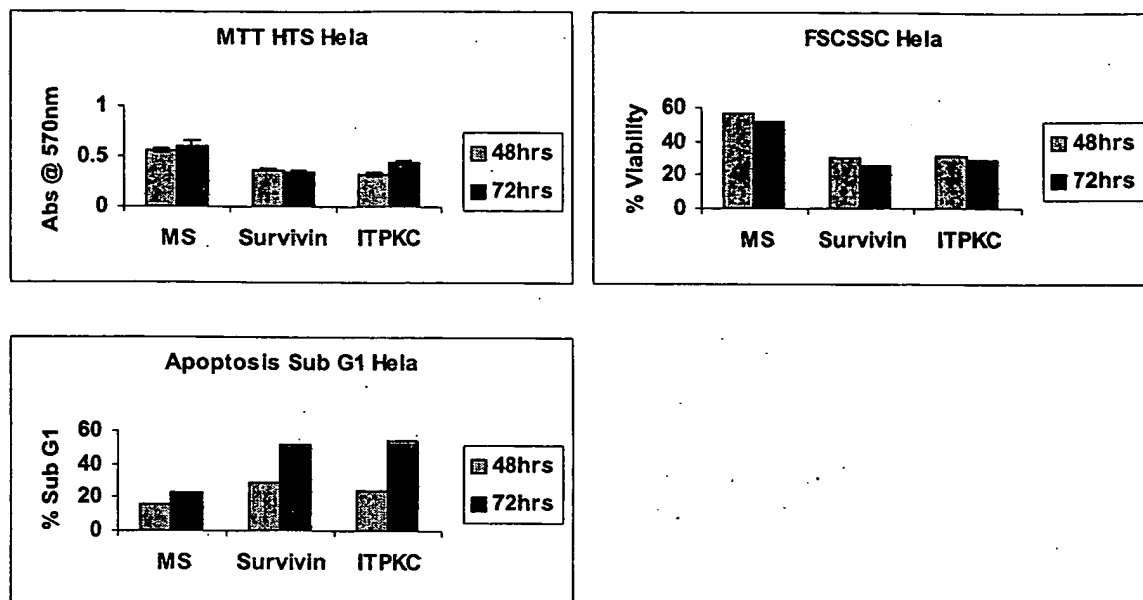
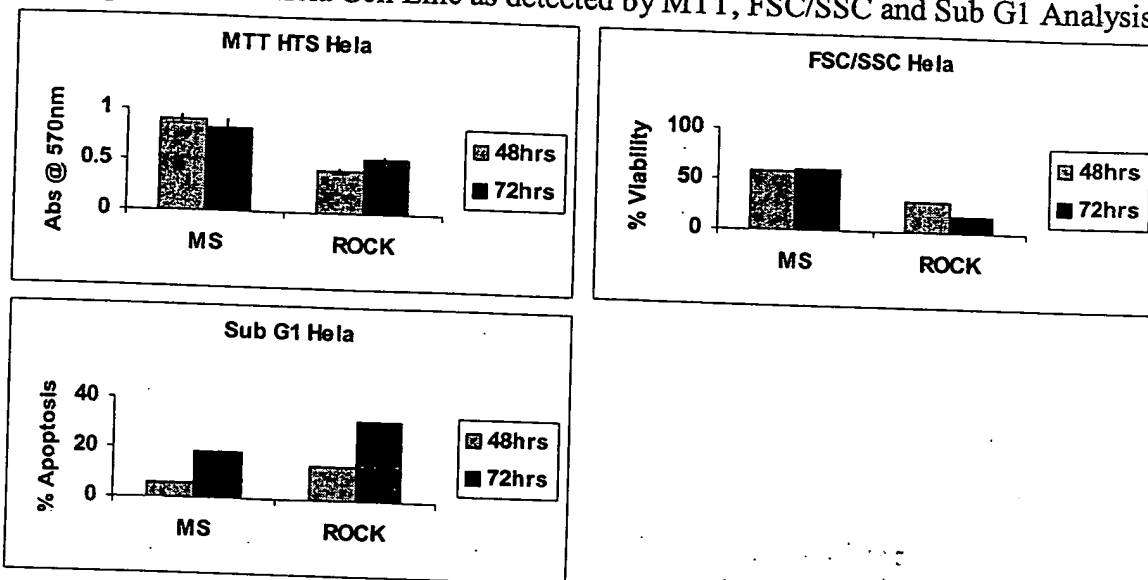
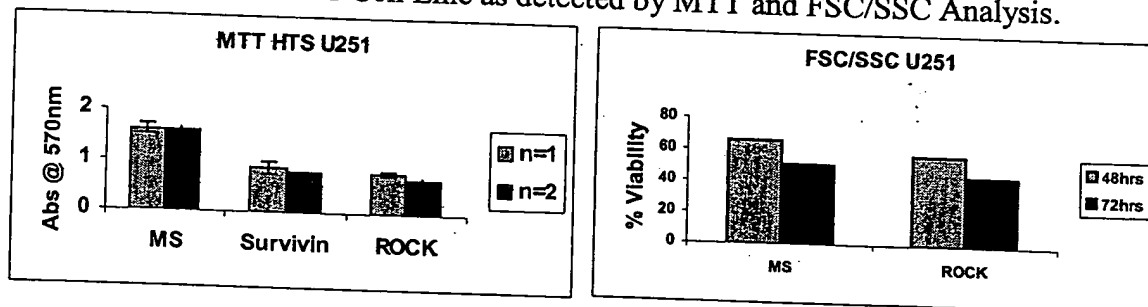


Figure 31 Apoptosis induced by siRNA Knockdown of ROCK

(a) Apoptosis in the HeLa Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in the U251 Cell Line as detected by MTT and FSC/SSC Analysis.



(c) Apoptosis in the Cancer Cell Line as detected by MTT HTS Analysis.

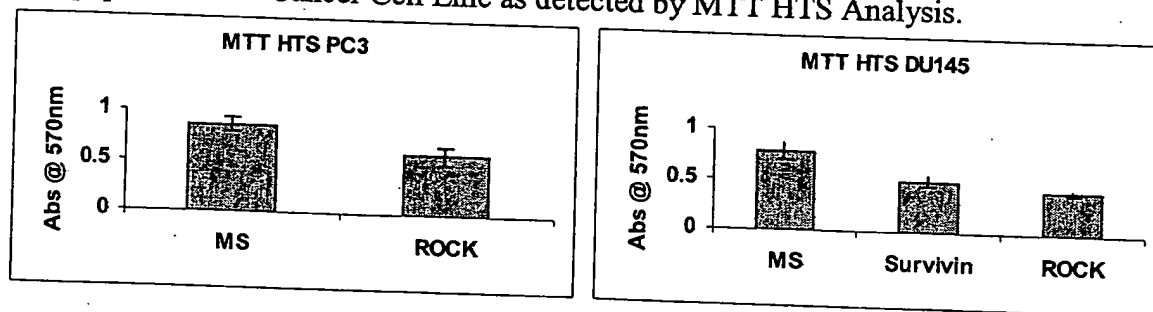
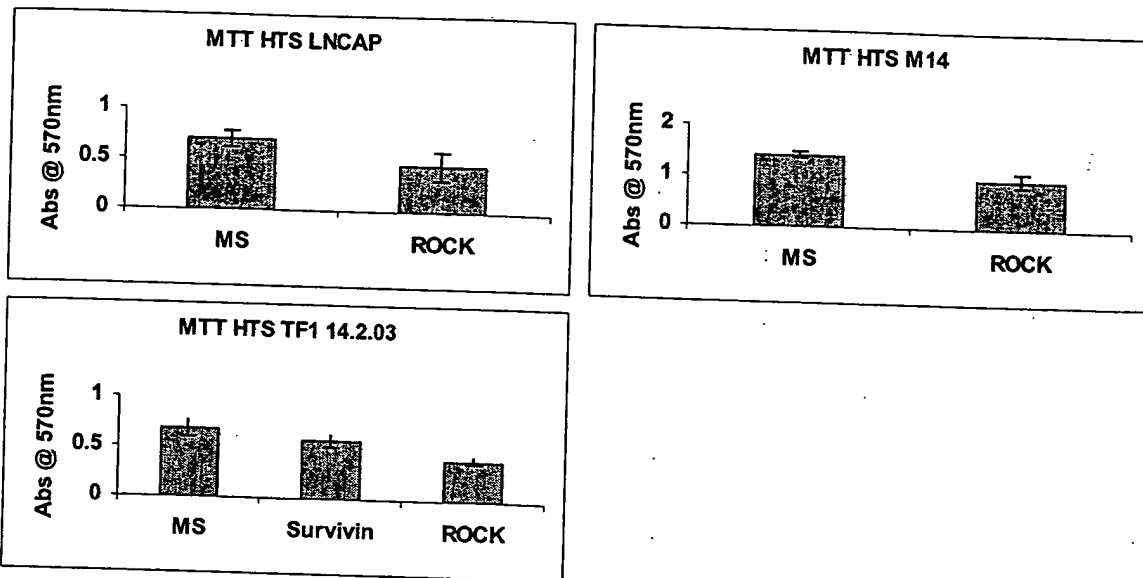
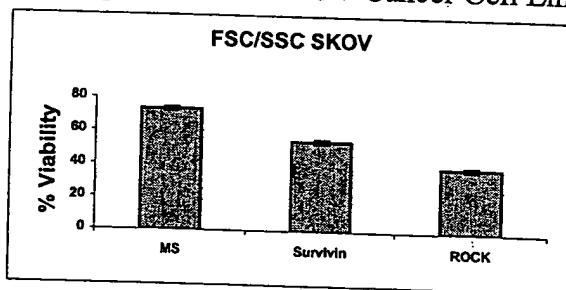


Figure 31 cont'd



(d) Apoptosis in the SKOV Cancer Cell Lines as detected by FSC/SSC Analysis



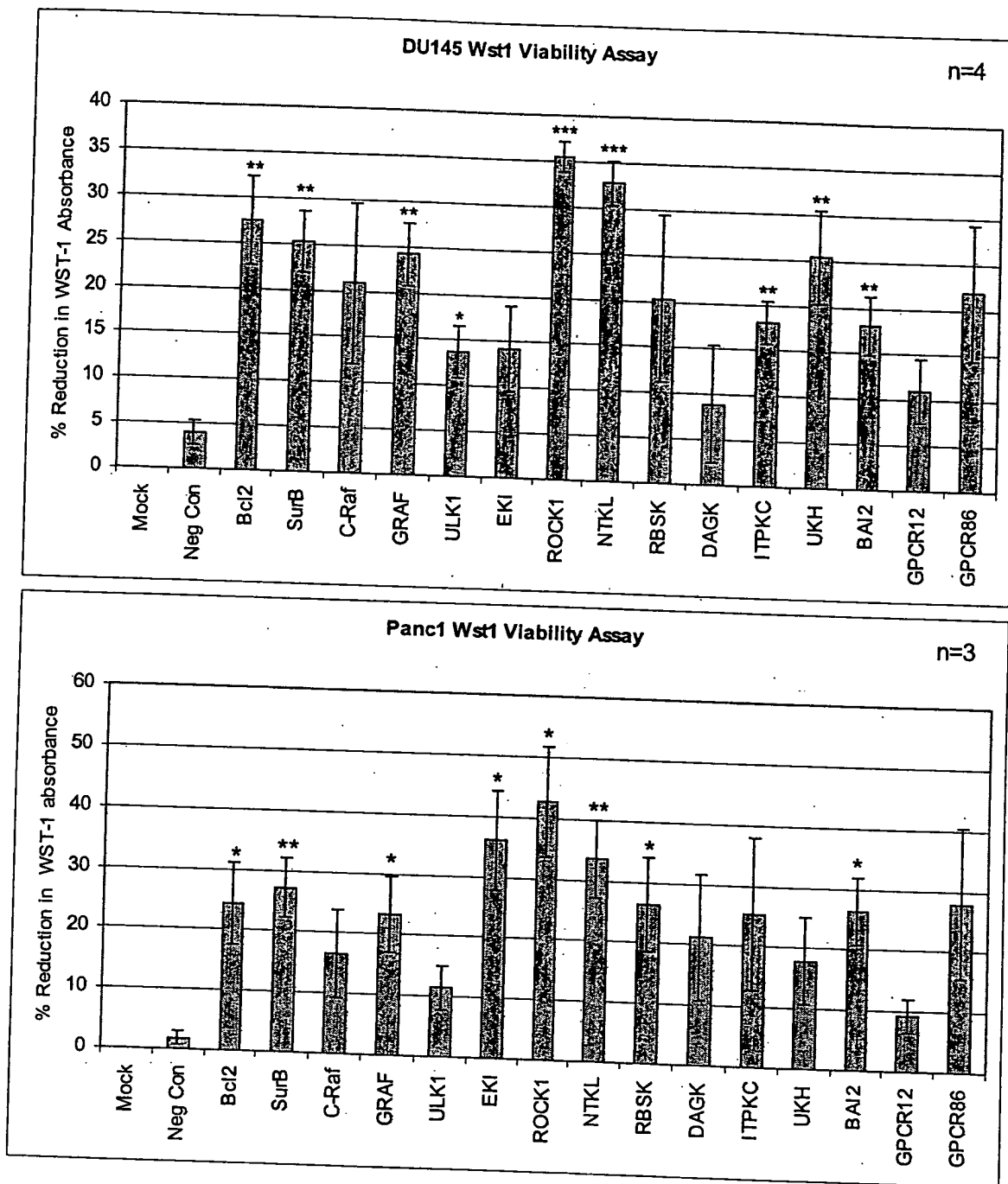


FIGURE 32

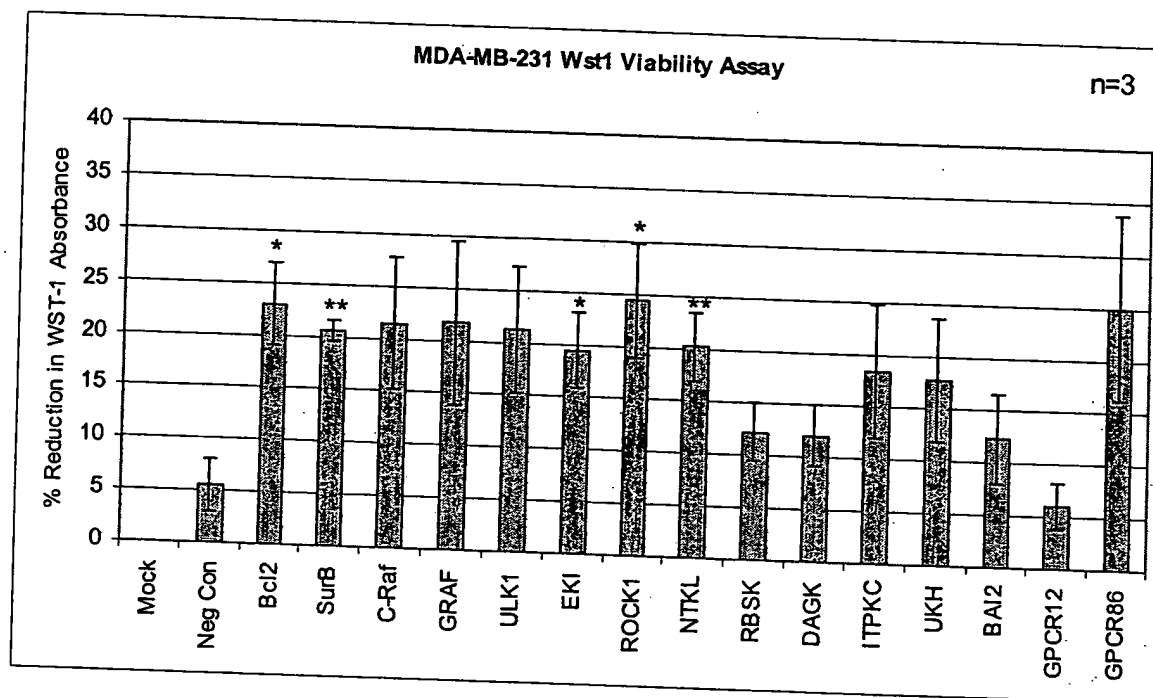
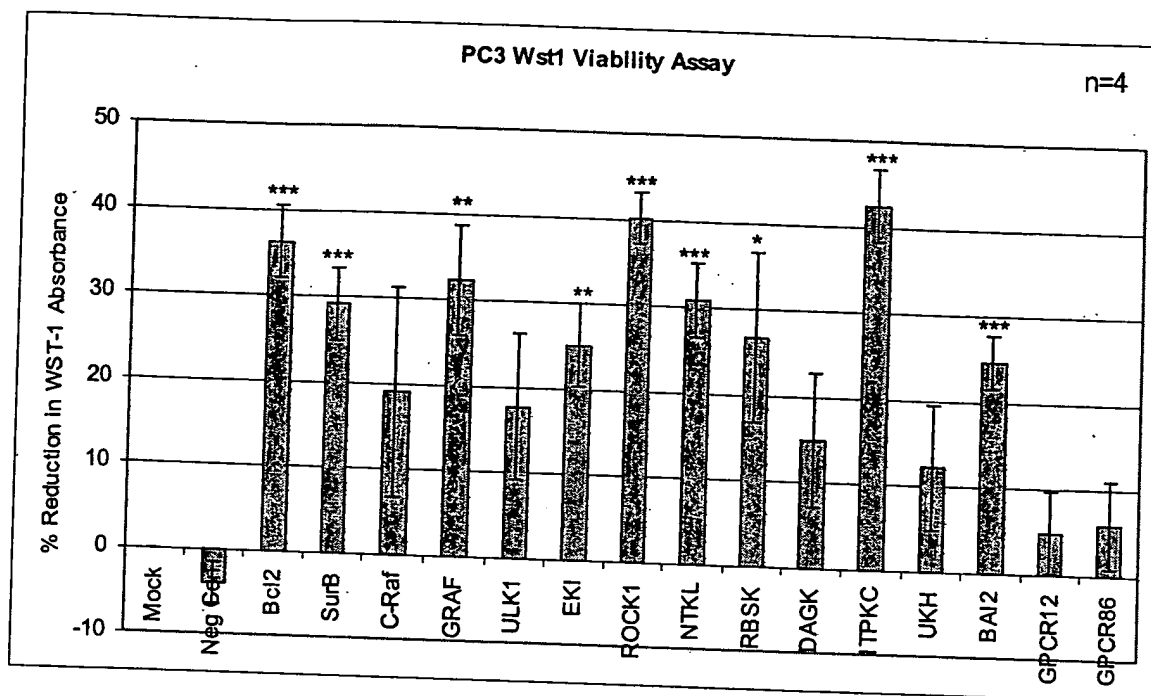


FIGURE 32 cont.

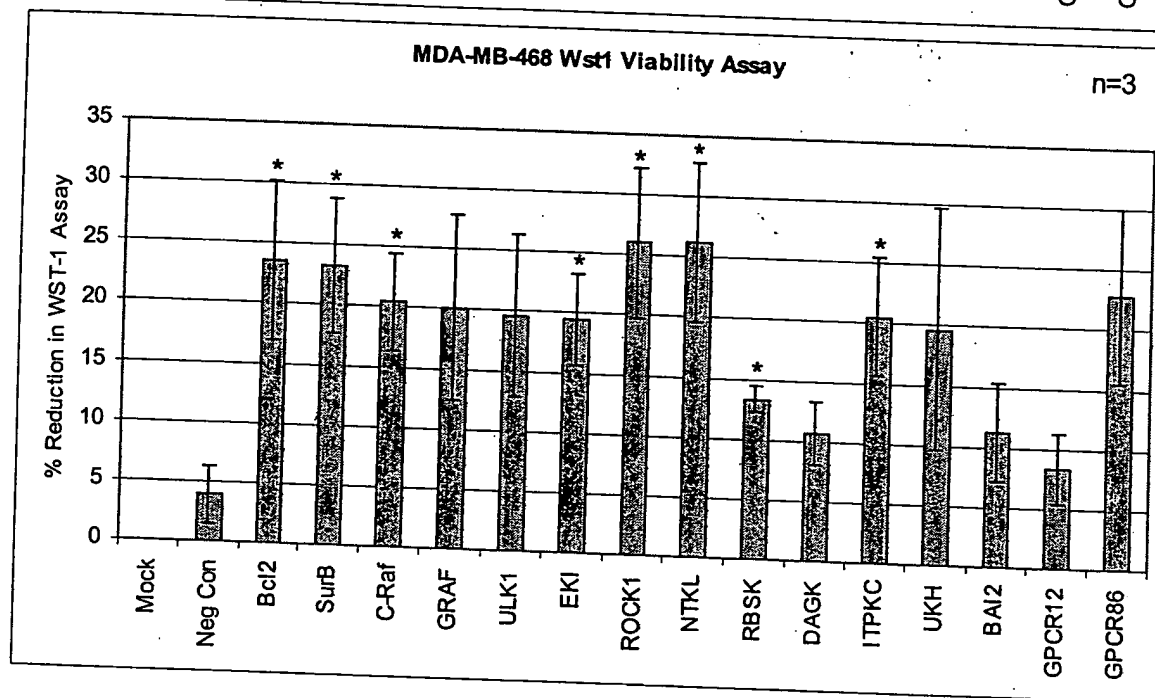
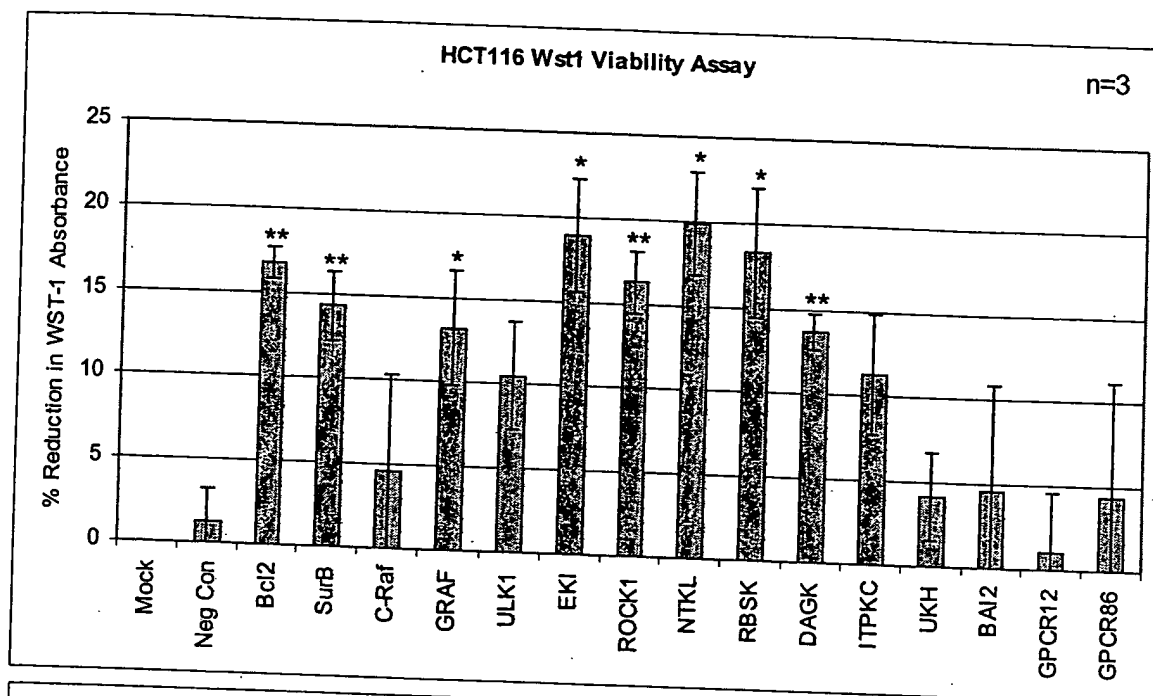


FIGURE 32 CONT

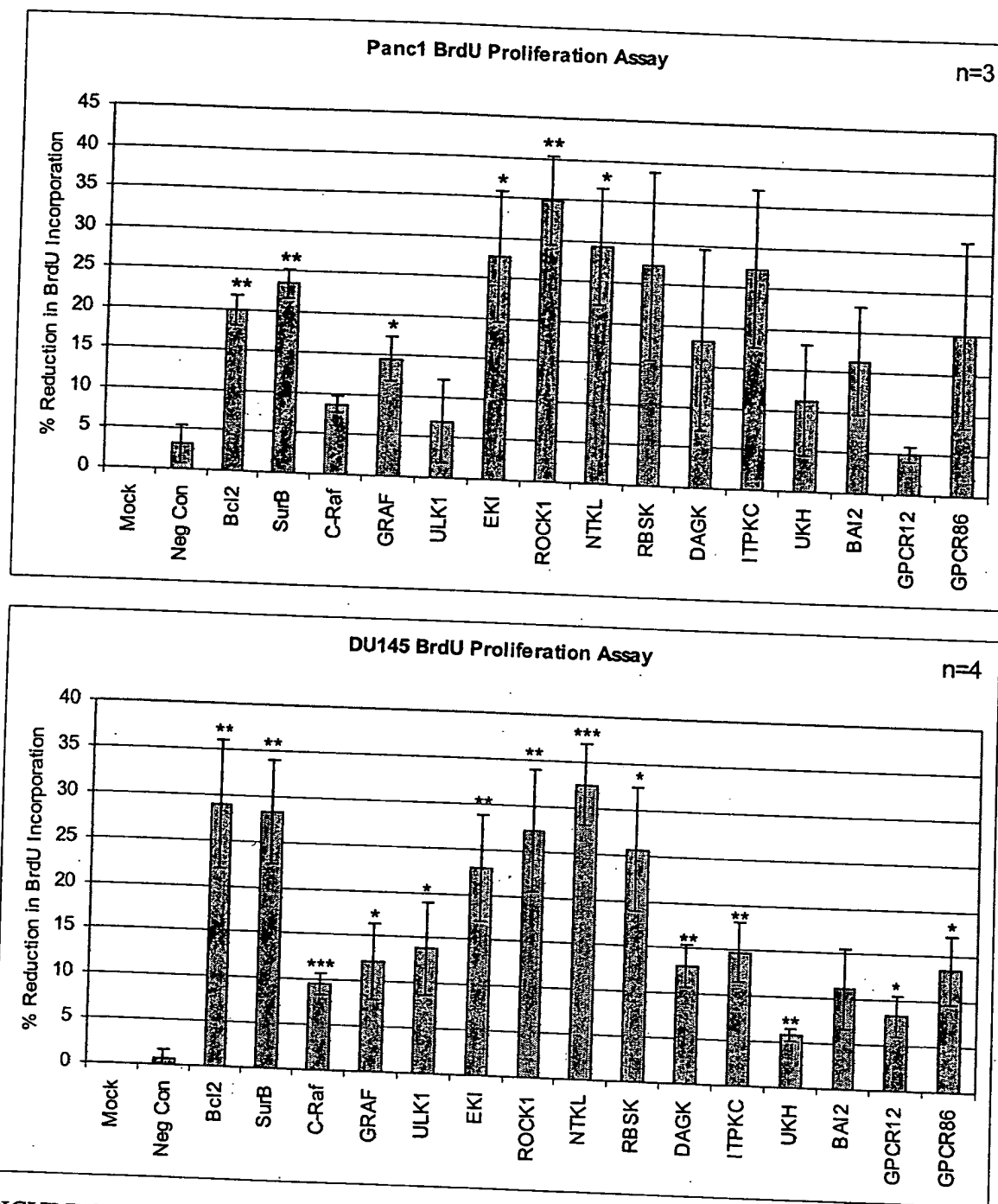


FIGURE 33

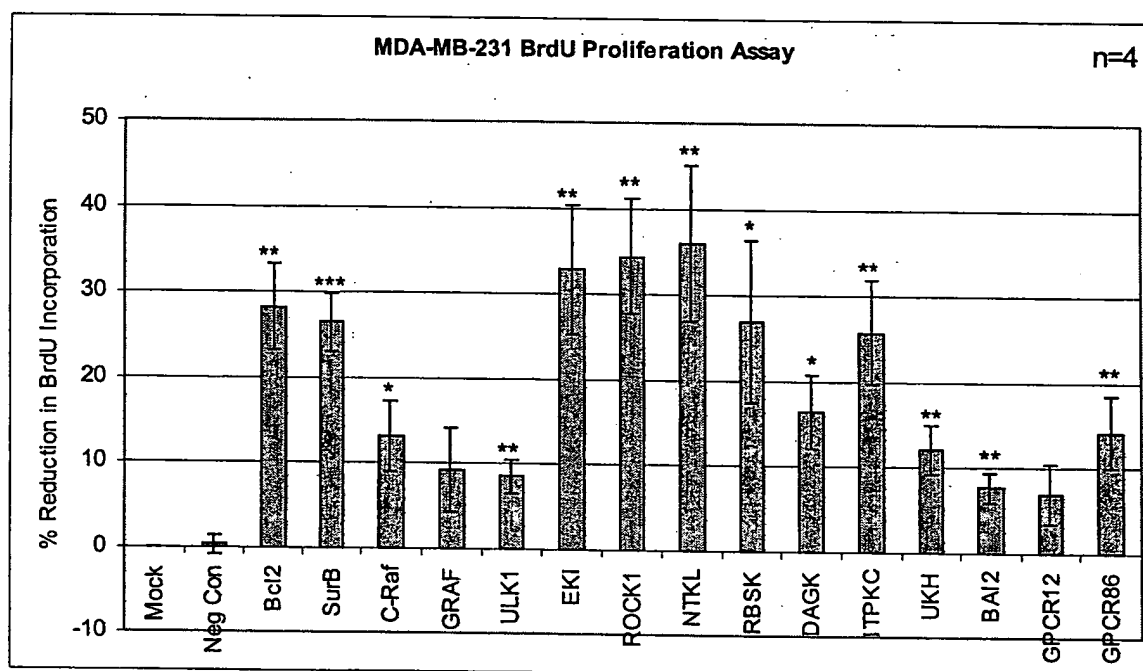
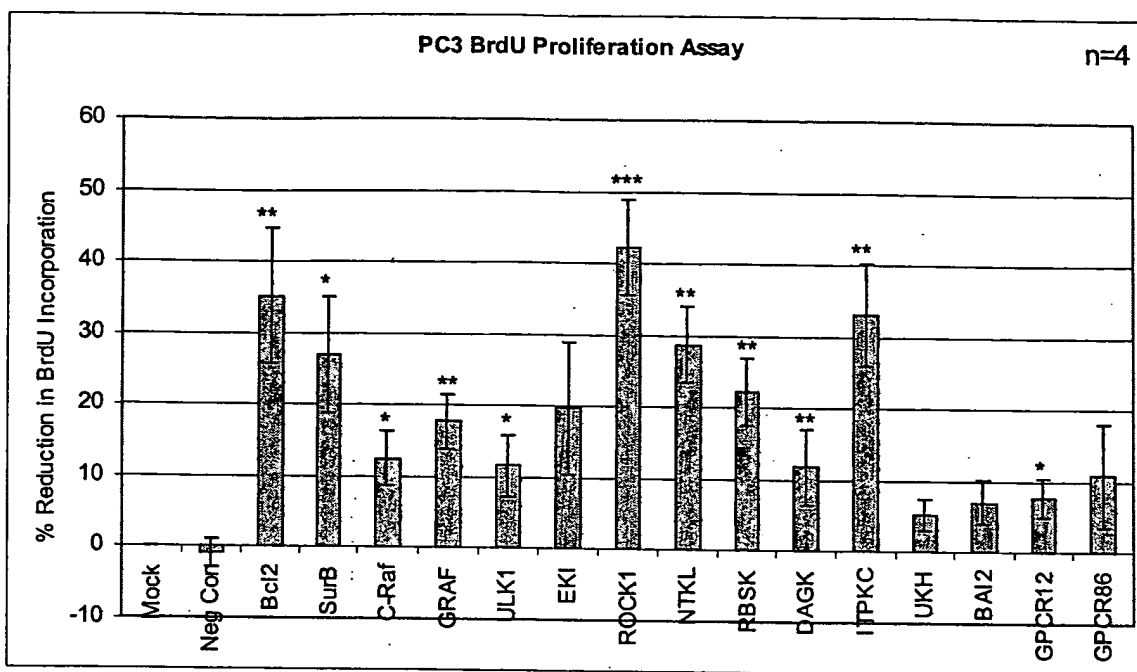


FIGURE 33 CONT

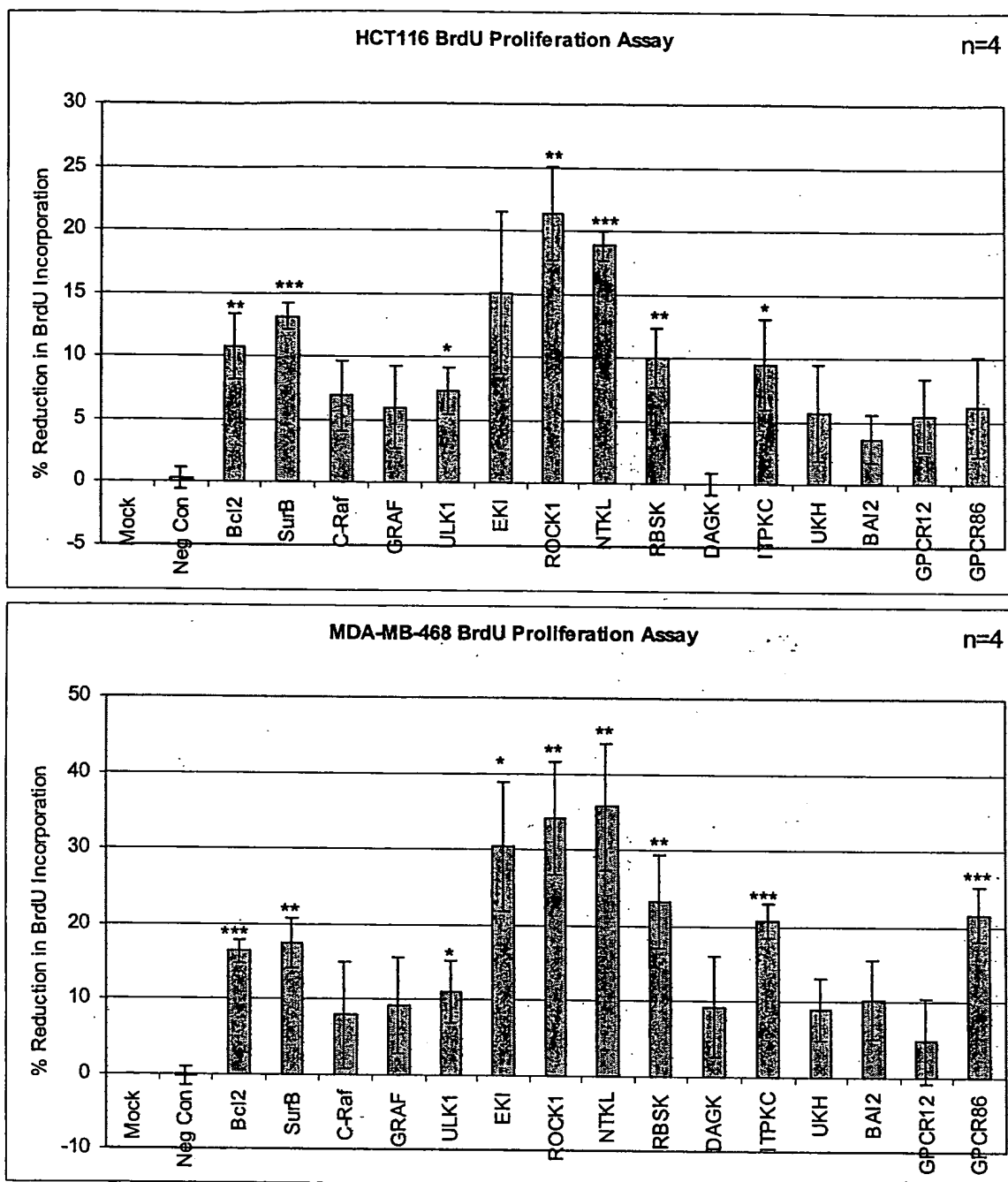


FIGURE 33 CONT

FIGURE 34

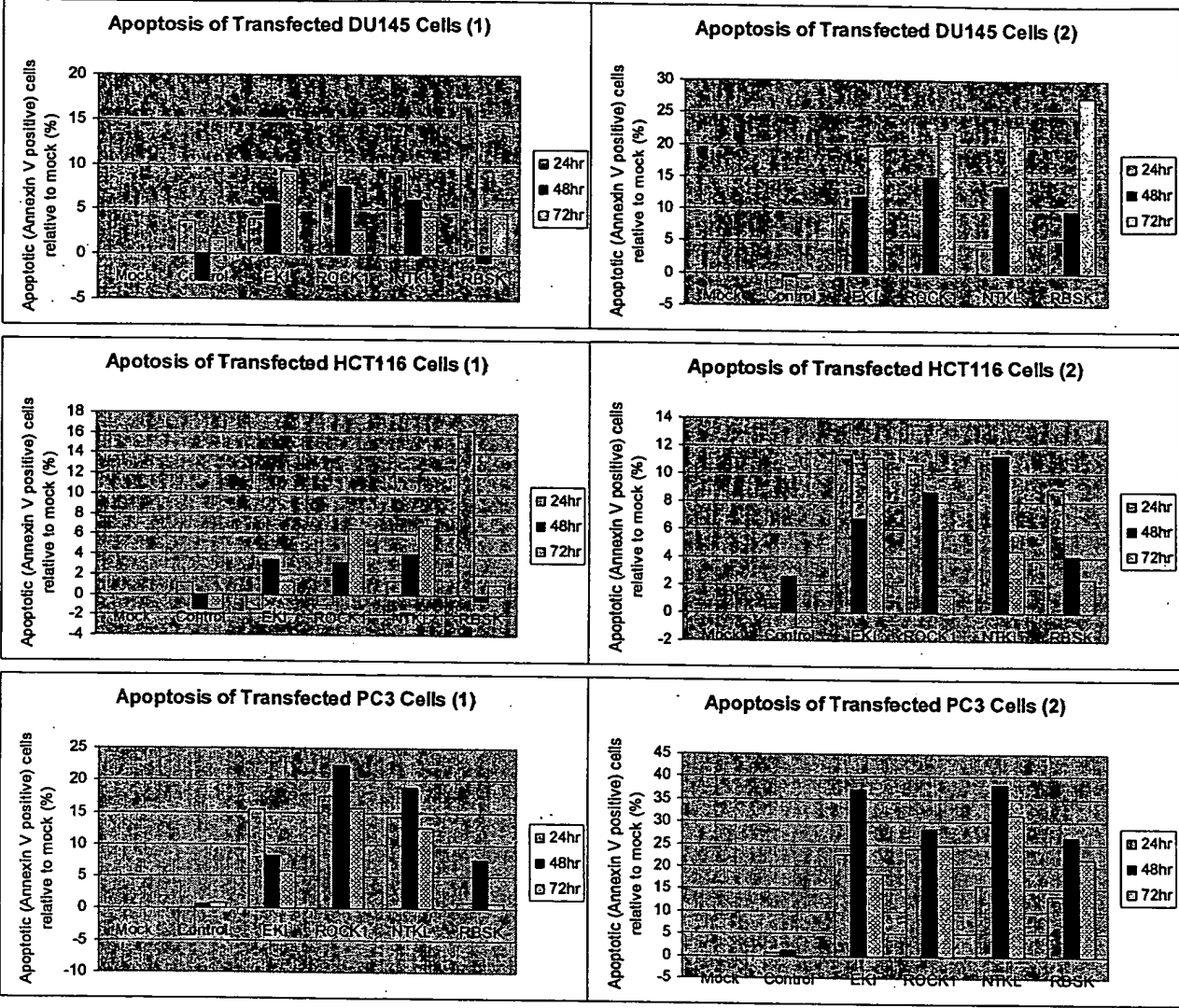
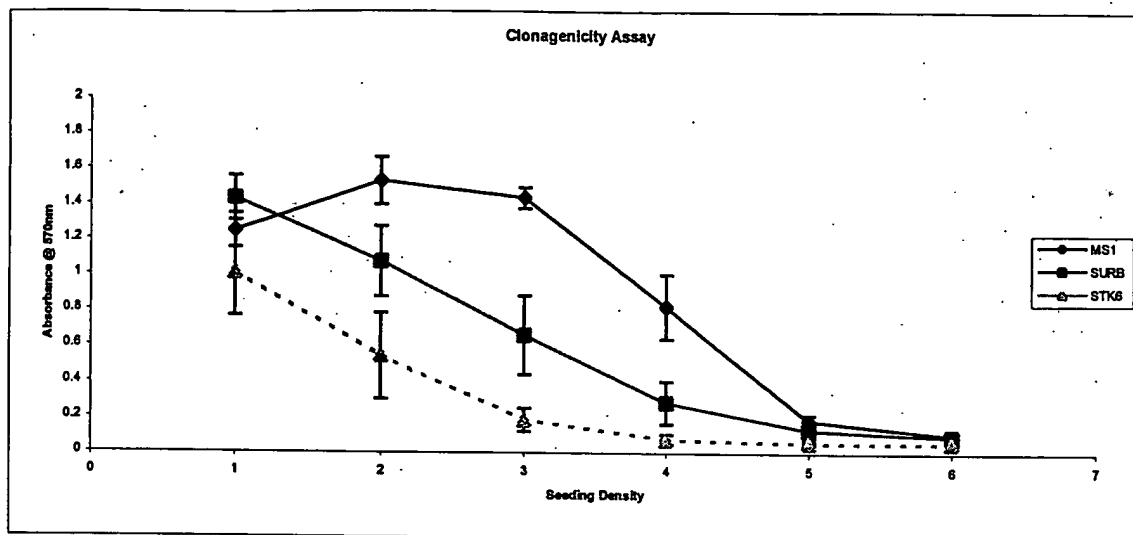


FIGURE 35

(a)



(b)

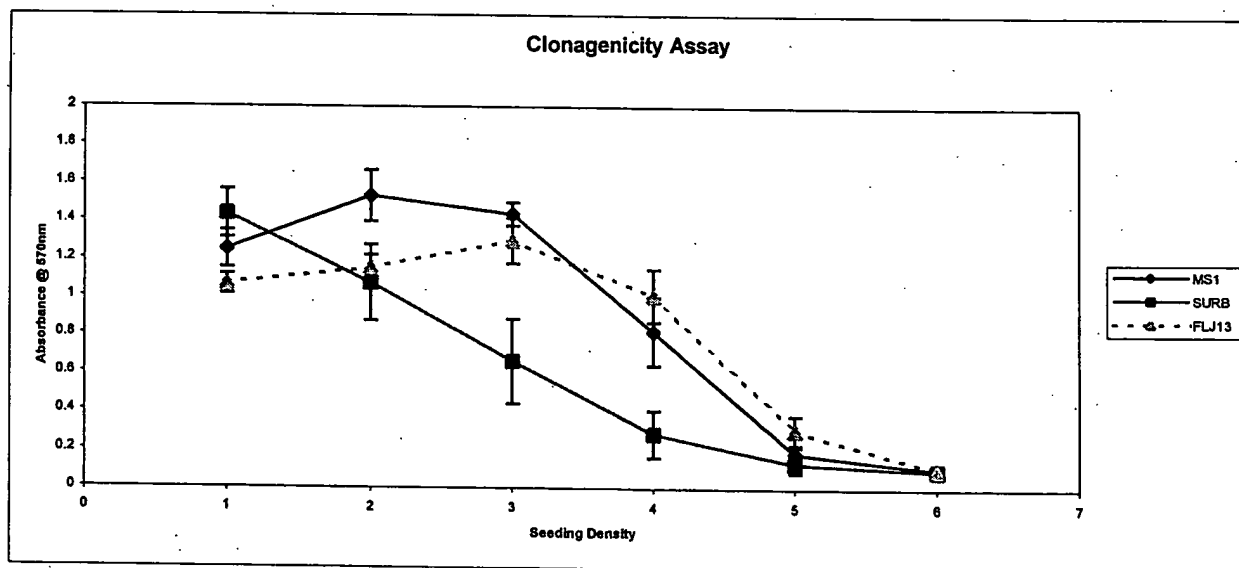


FIGURE 36

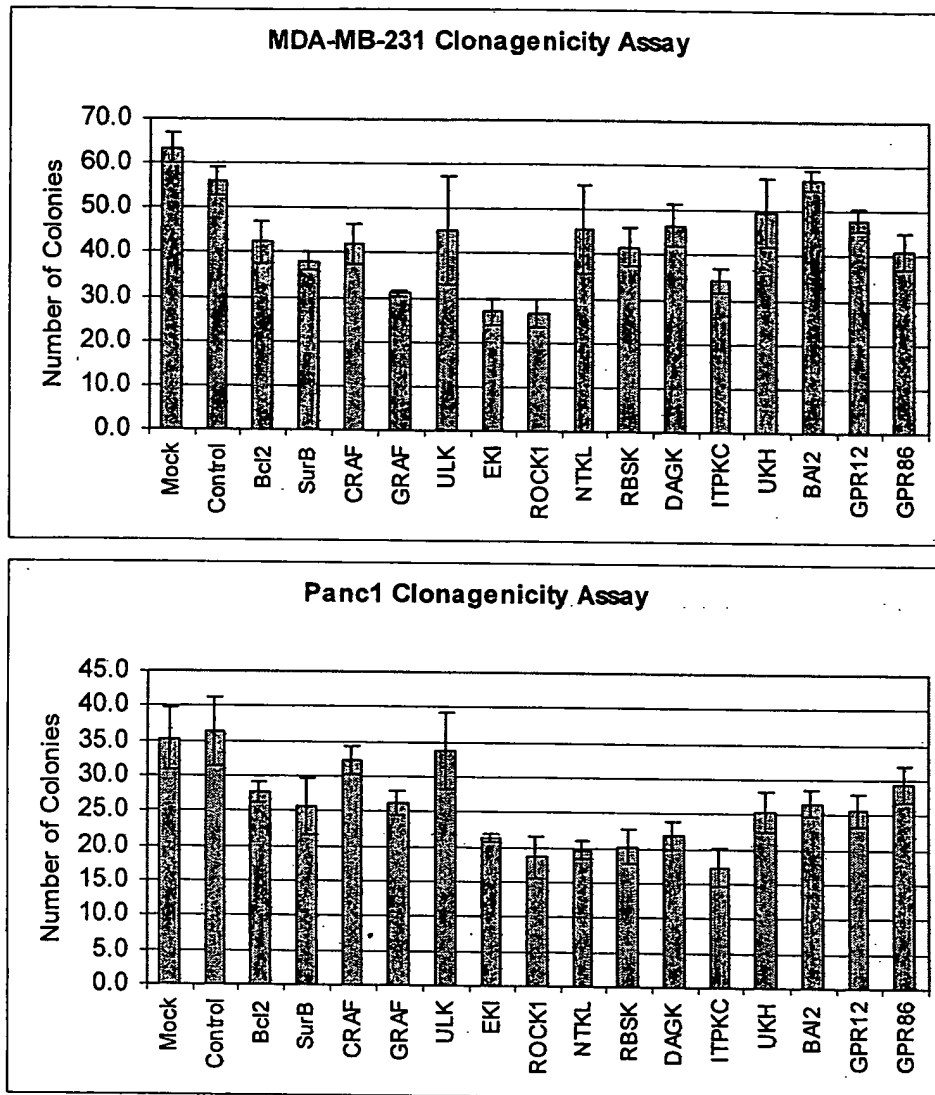


FIGURE 36 CONT.

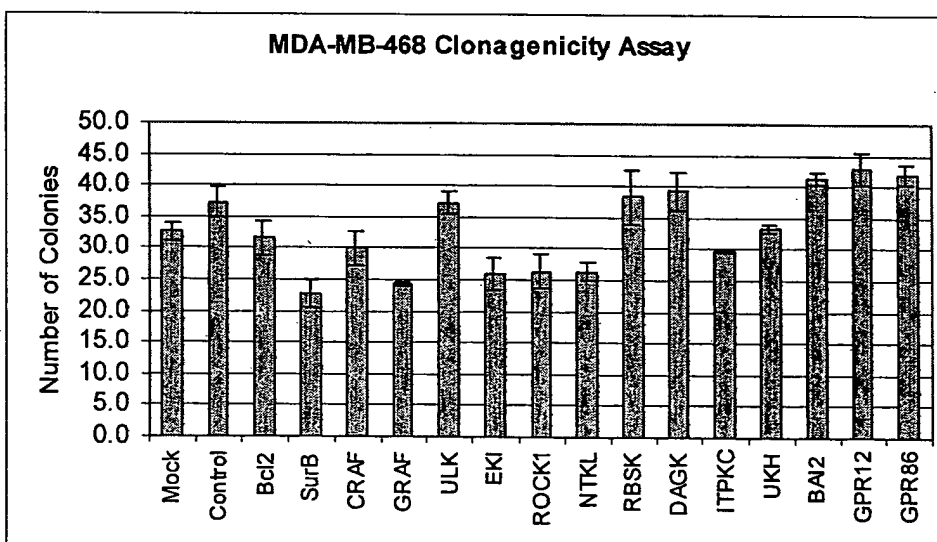
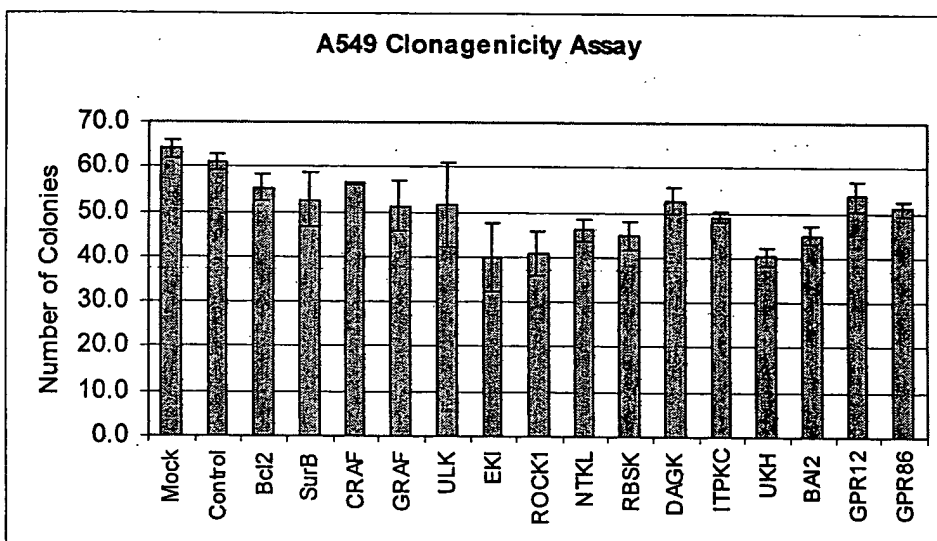
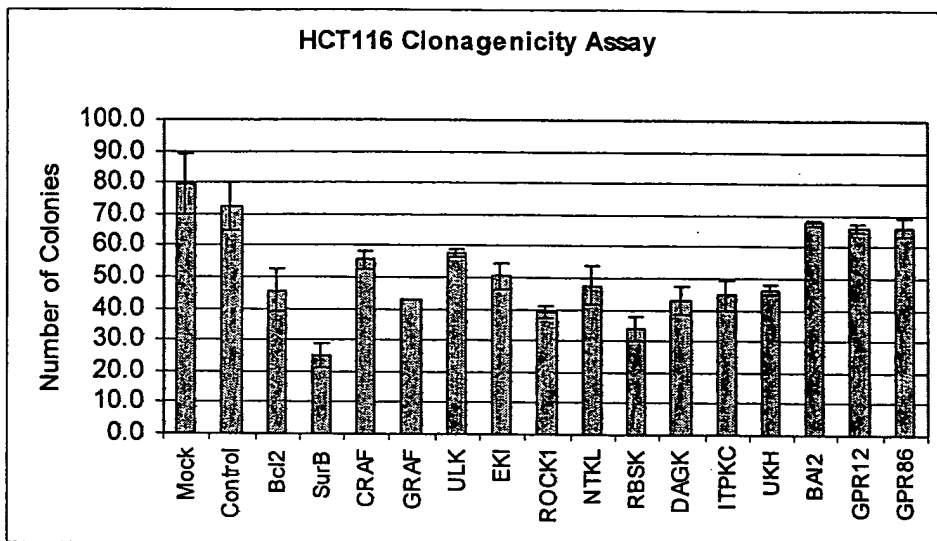
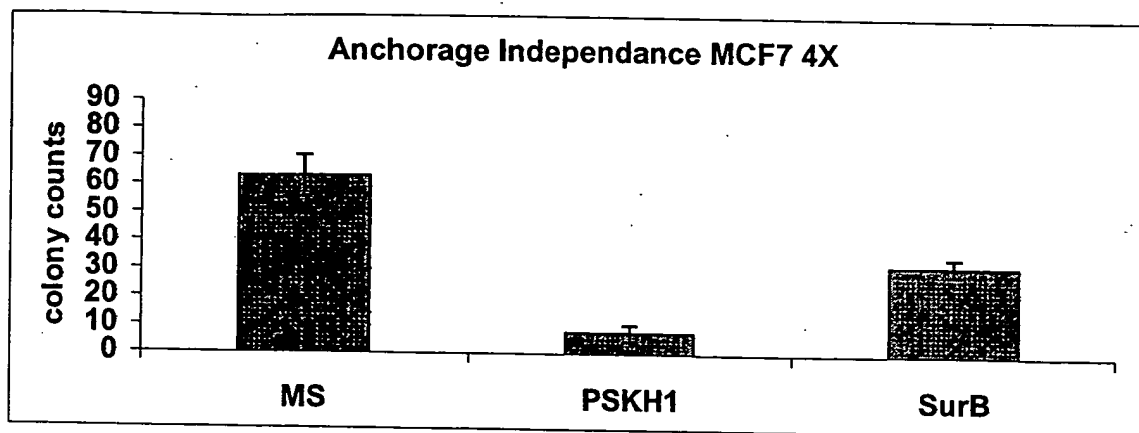
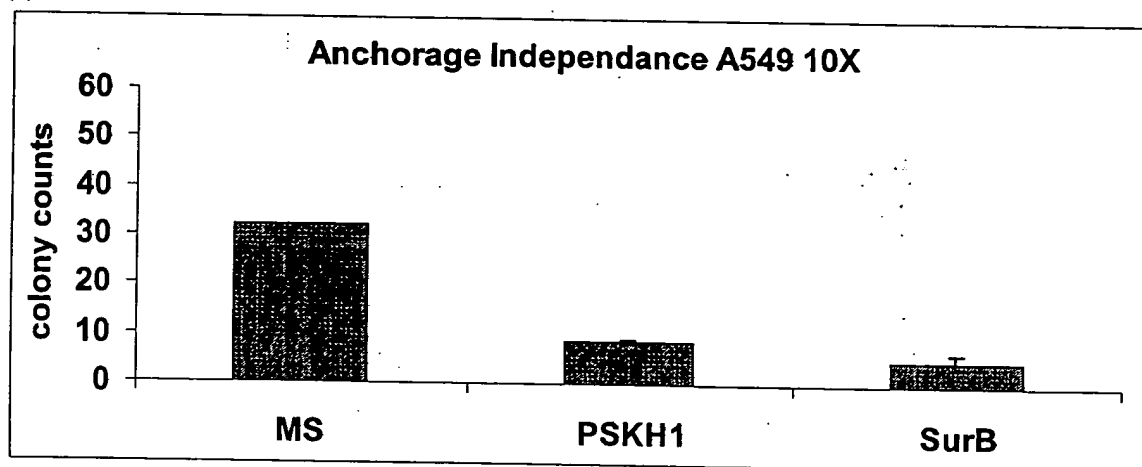


FIGURE 37

(a) MCF7



(b) A549



(c) HCT15 Cell Line

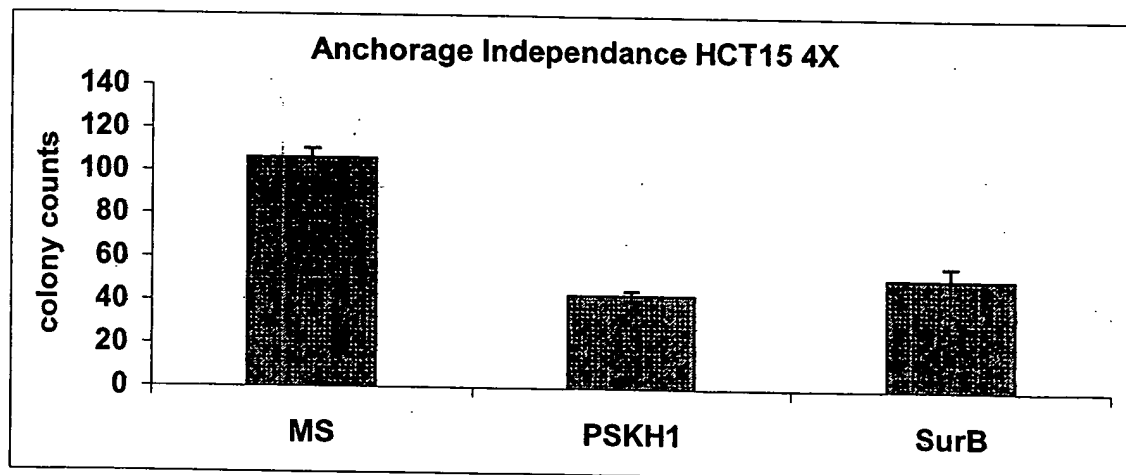
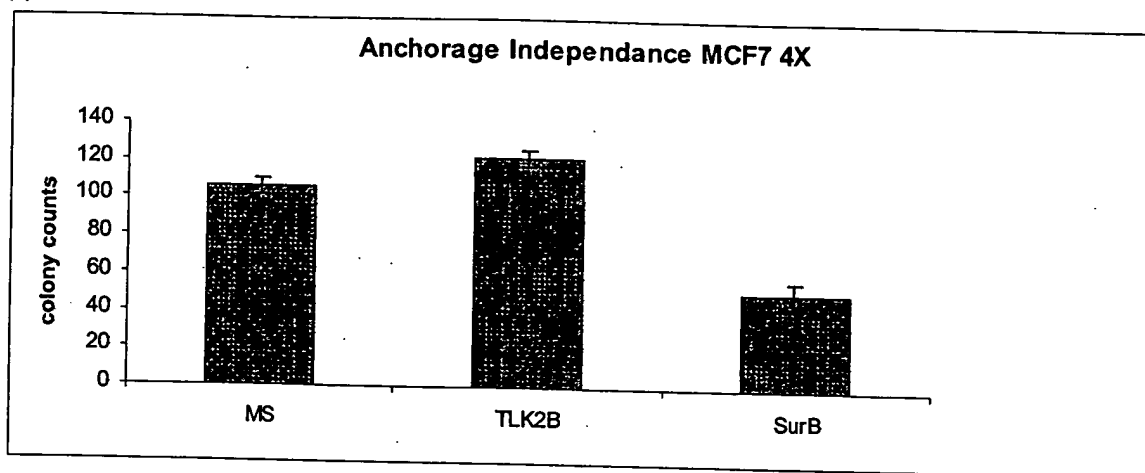
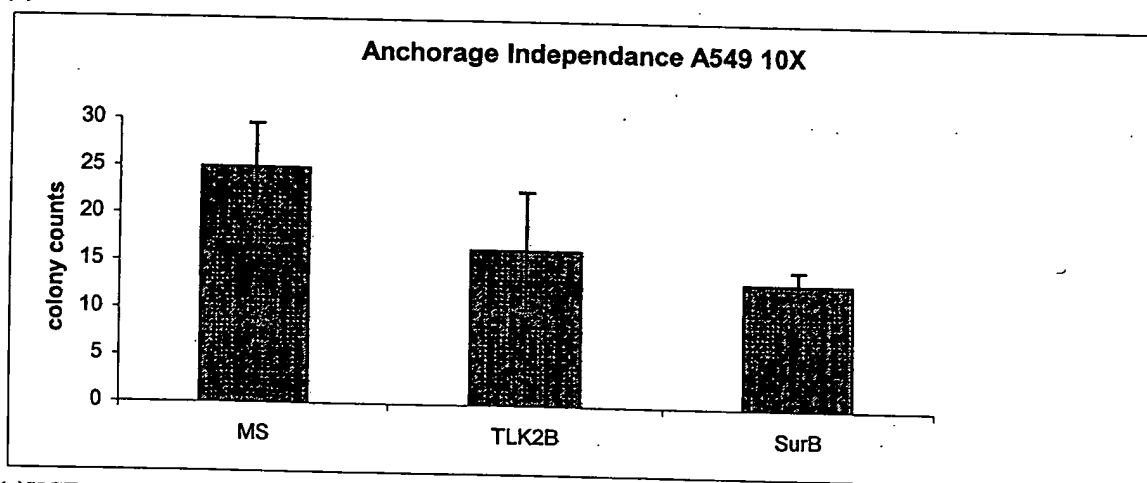


FIGURE 38

(a) MCF7



(b) A549



(c) HCT15

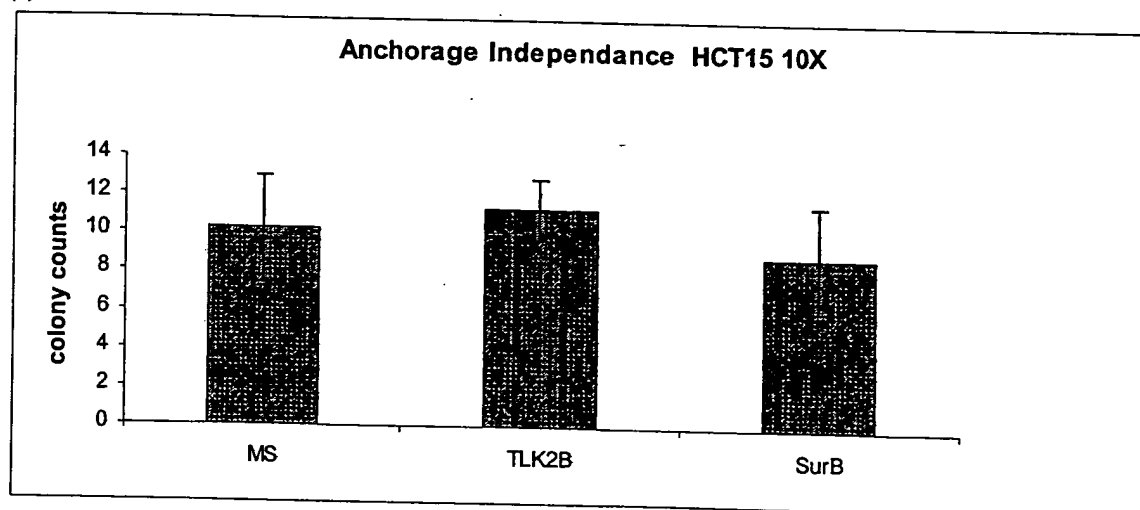
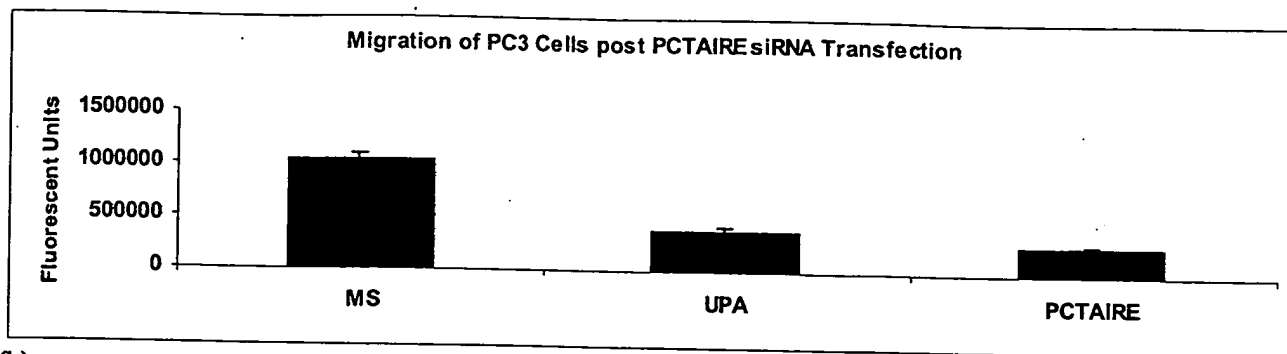
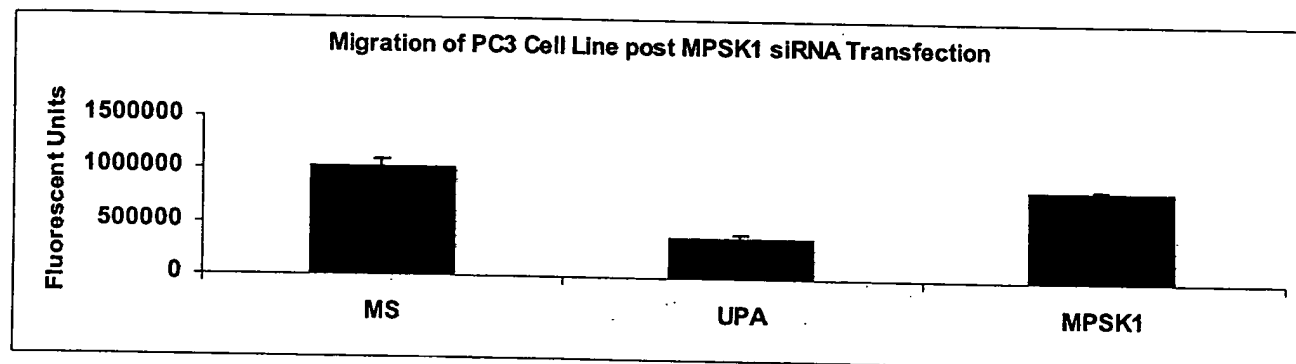


FIGURE 39

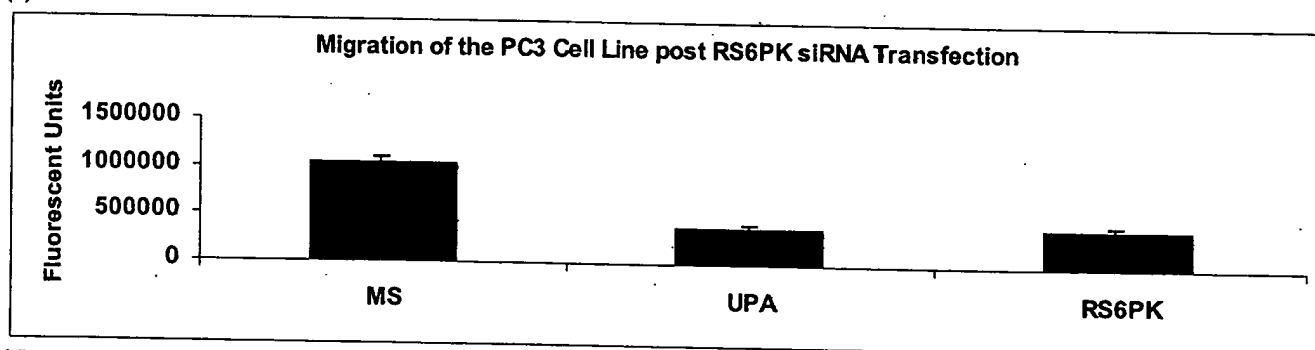
(a)



(b)



(c)



(d)

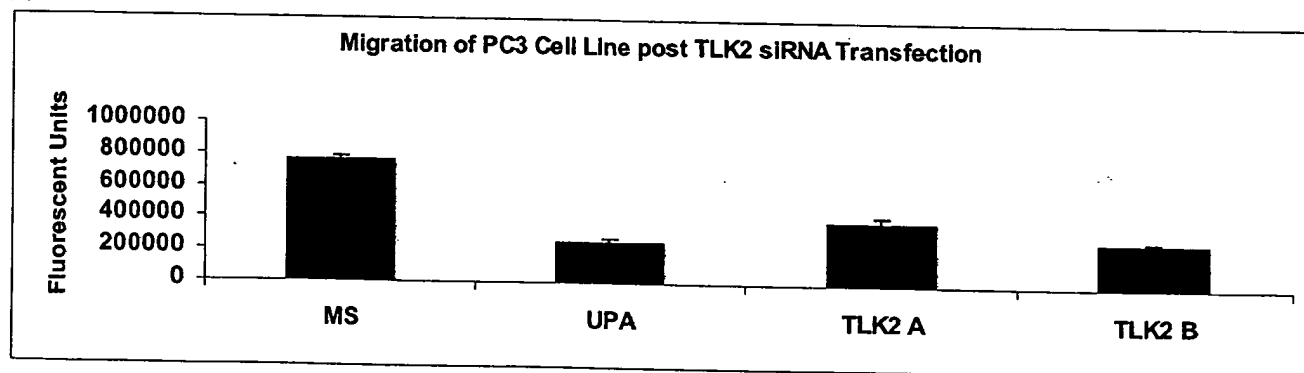
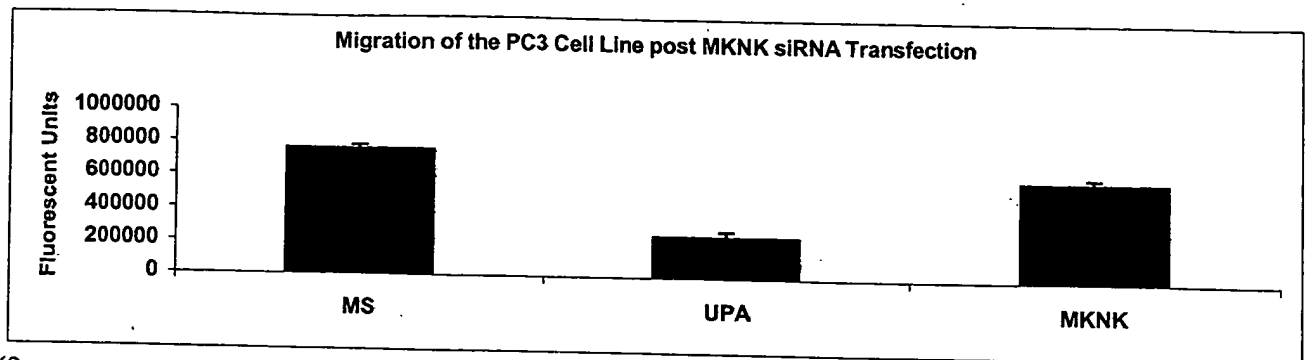
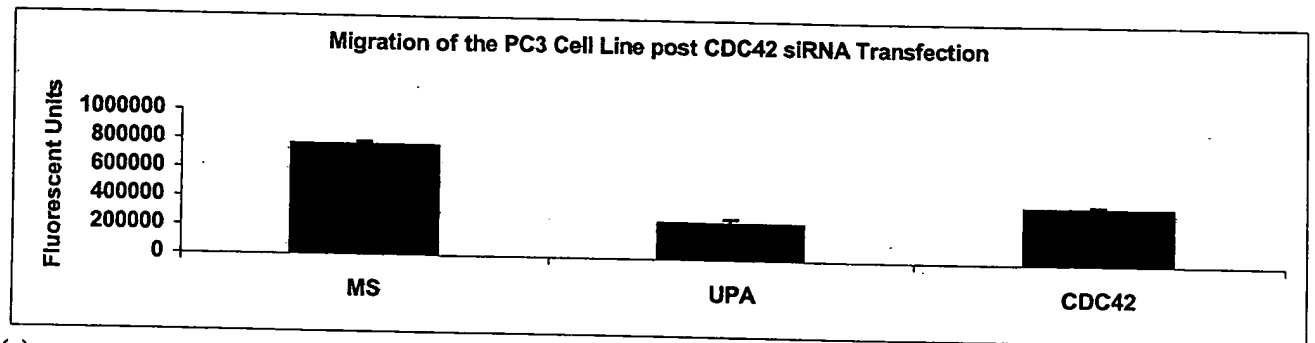


FIGURE 39 contd

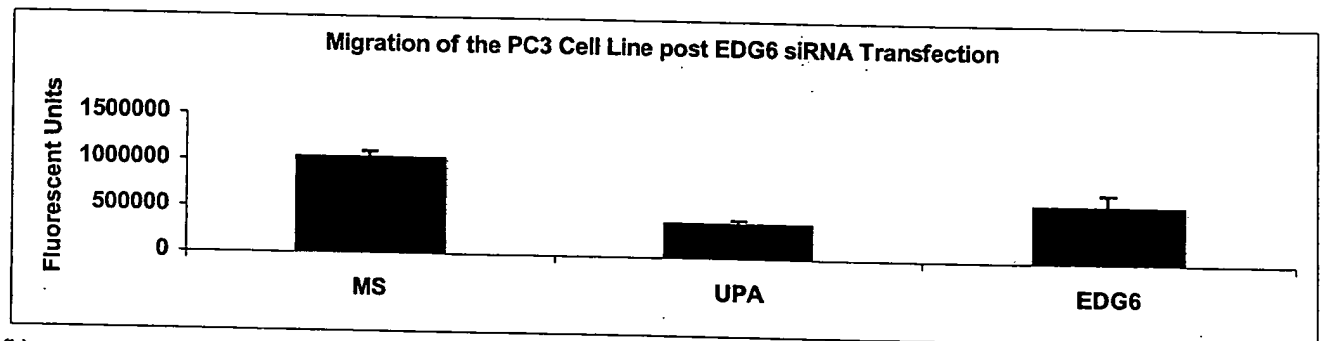
(e)



(f)



(g)



(h)

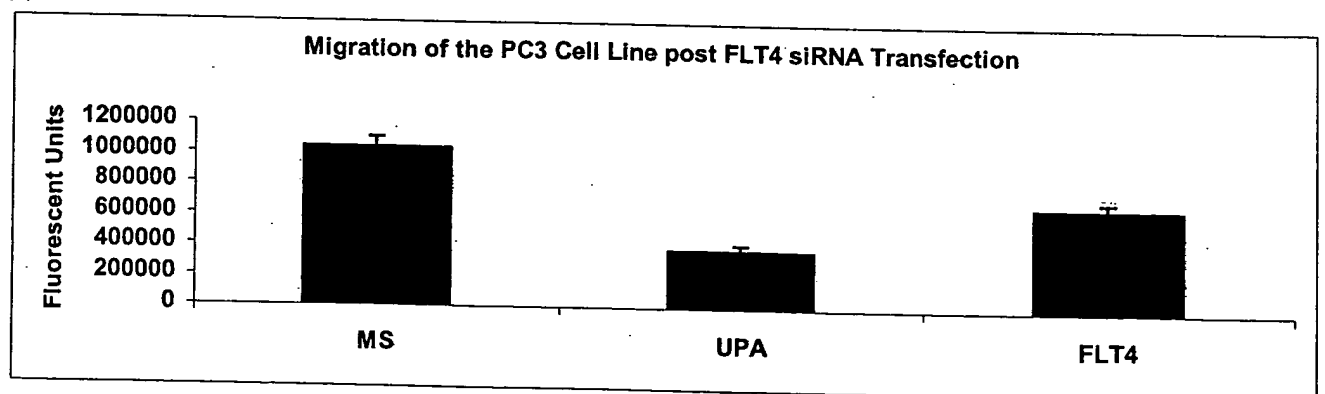
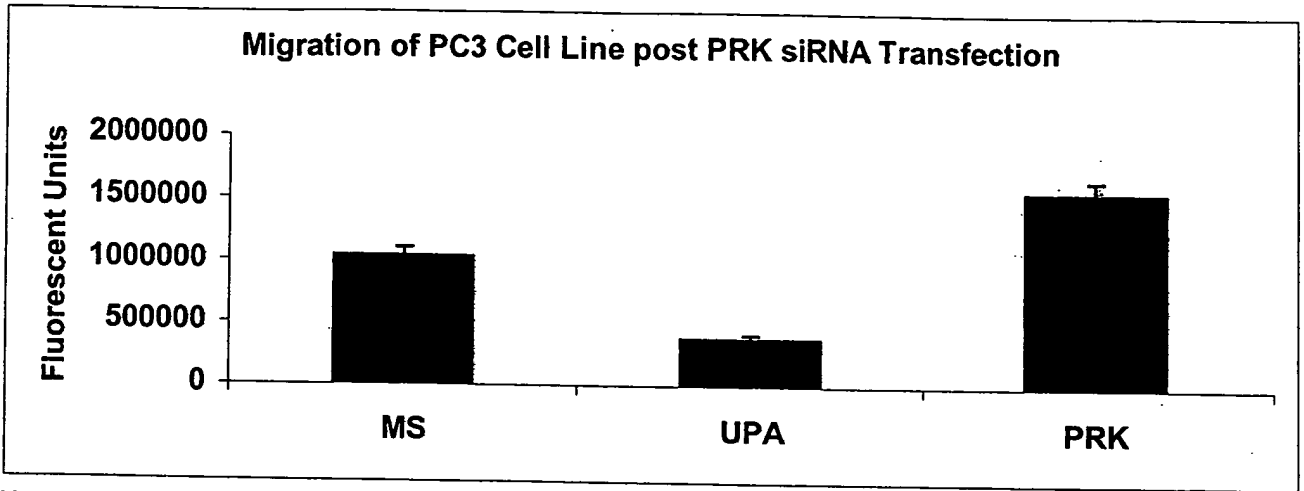


FIGURE 40 (a)



(b)

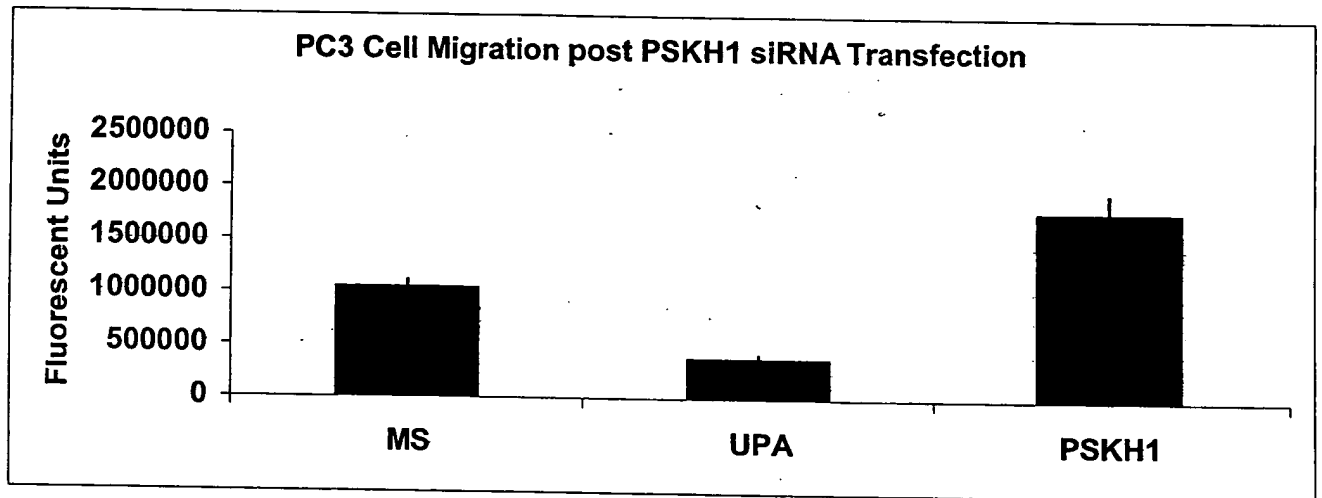
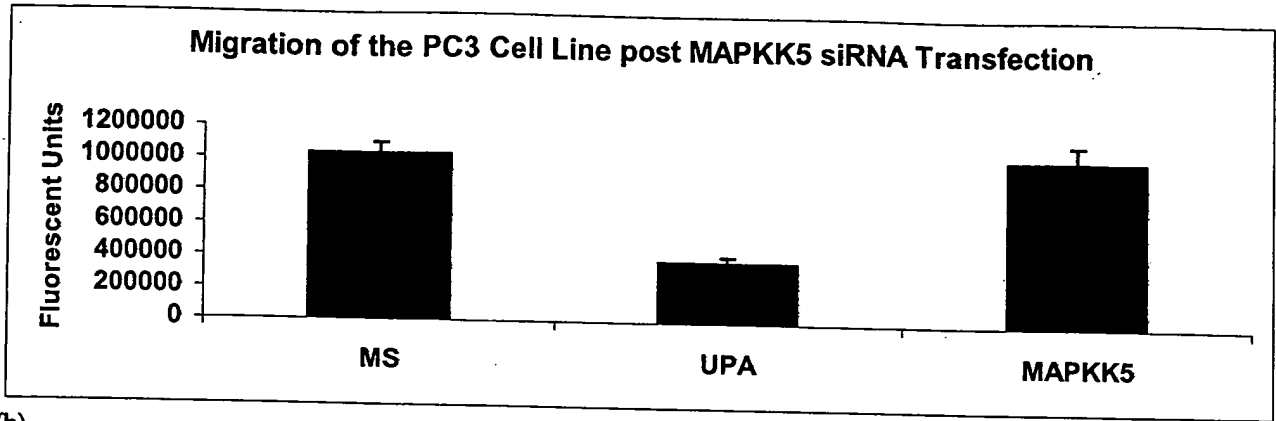


FIGURE 41

(a)



(b)

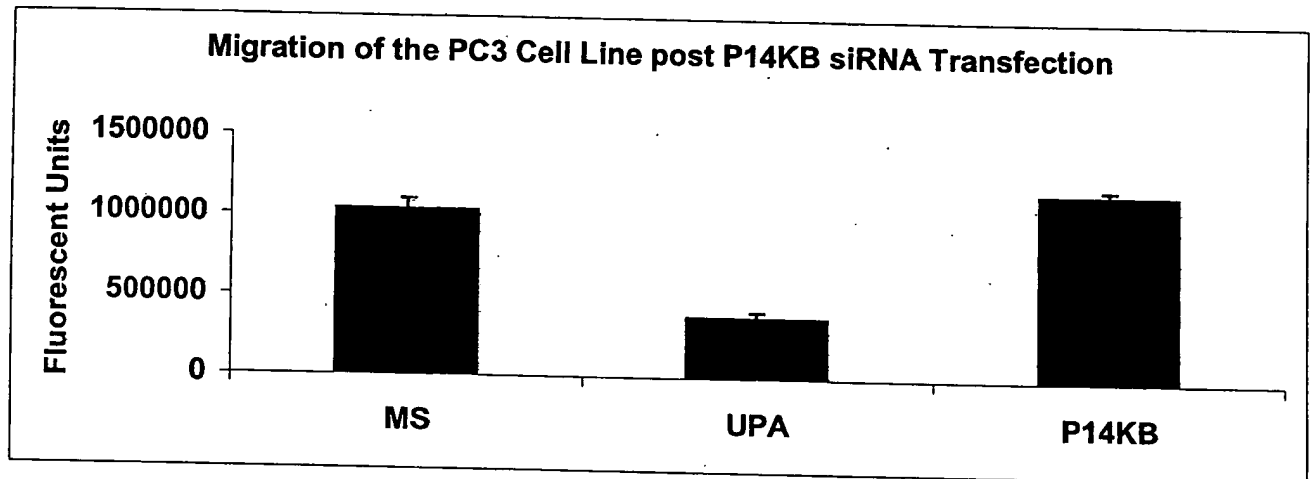


FIGURE 42

Nucleic Acid AND Protein Sequence for Targets in Table 1B

Rho – associated, coiled coil containing protein kinase 1 (ROCK1/ROCK)

Nucleotide Accession No. NM_005406

GI: 4885582

Sequence:

```
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181 gacacaataa ataaatcag agatttacga atgaaagctg aagattatga agtagtgaag
241 gtgattggta gaggtgcatt tggagaagtt caattggtaa ggcataaatc caccaggaag
301 gtatatgcta tgaagcttct cagcaaattt gaaatgataa agagatctga ttctgctttt
361 ttctgggaag aaaggacat catggctttt gccaacagtc ctggggtgtg tcagcttttt
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481 cttgtaaaact taatgagcaa ctatgatgtg cctgaaaaat gggcacgatt ctatactgca
541 gaagtagttc ttgcattgga tgcaatccat tccatgggtt ttattcacag agatgtgaag
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661 atgaagatga ataaggaagg catggtacga tgtgatacag cggttggaac acctgattat
721 attcccctg aagtattaaa atcccaaggt ggtgatgggt attatggaag agaattgtac
781 tgggtgctcg ttgggtattt ttatacga atgctttag gtgatacacc ttttatgca
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1201 agcaatcgta gatacttate ttacgcaaat cctaatgata acagaactag ctccaatgca
1261 gataaaagct tgcaggaaag ttgcaaaaa acaatctata agctggaaga acagctgcat
1321 aatgaaatgc agttaaaga tgaaatggag cagaagtgca gaacctcaa cataaaacta
1381 gacaagataa tgaagaatt ggatgaagag ggaatcaaa gaagaaatct agaattaca
1441 gtgtctcaga ttgagaagga gaaaatgtg ctacagcata gaattaatga gtaccaaaga
1501 aaagctgaac aggaaaatga gaagagaaga aatgtagaaa atgaagtffc tacattaaag
1561 gatcagttgg aagacttaaa gaaagtcagt cagaattcac agcttgctaa tgagaagctg
1621 tccagttac aaaagcagct agaagaagcc aatgacttac ttaggacaga atcggacaca
1681 gctgtaagat tgaggaagag tcacacagag atgagcaagt caattagtca gttagagtcc
1741 ctgaacagag agttgcaaga gagaaatcga attttagaga attctaagtc acaaacagac
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3361 attgaaggtt ggctttcagt accaaataga ggaaatatca aacgatatgg ctggaagaaa
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3541 caaggagatg tgtatagagc tgaaactgaa gaaattccta aatatcca gatactatat
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3661 actaatttc aaaatcaca aggccatgag ttattccta cactctacca ctttctgcc
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3781 tgtcgaagat gccatgttaa gtgccacaga gatcacttag ataagaaaga ggacttaatt
3841 tgtccatgta aagtaagtta tgatgtaaca tcagcaagag atatgctgct gttagcatgt
3901 tctcaggatg aacaaaaaaa atgggtaact cattagtaa agaaaatccc taagaatcca
3961 ccatctgggt ttgtcgtgc tccccctga acgtttcta caagatccac tgcaaatcag
4021 tctttccgga aagtgtcaa aaatacatct ggaaaaacta gttaa

Protein I.D NP_005397.1

Protein GI: 4885583

Sequence

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MAK (Male germ cell-associated kinase; MAK)

Nucleotide Accession No: NM_005906

G.I.: 13699865

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121 cagtgtgagg acaaaagcaa ataaaaatta agaagcgttc aaatttatat tcaacaagga
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Protein ID: NP_005897

Protein GI: 11496279

Sequence:

MNRYTTMRQLGDGTYGSVLMGKSNESELVAIKRMKRKFYSWDE
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G Protein Coupled Receptor 86

Nucleotide Accession No. AF295368

G.I. 12711484

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Protein I.D. AAK01864
Protein G.I. 12711485

Sequence:

MNTTVMQGFNRSECRDTRIVQLVFPALYTVVFLTGILLNTLA
 LWVFVHIPSSSTFIIYLKNTLVADLIMTLMPLFKILSDSHLAPWQLRAFVCRFSSVIF
 YETMYVGIVLLGLIAFDRFLKIRPLRNIFLKKPVFAKTVSIFIWFFLFFISLPNMIL
 SNKEATPSSVKKCASLKGPLGLKWHQMVNNICQFIFWTVFILMLVFYVVIKVKVYDSY
 RKSKSKDRKNNKKLEGKVFVAVFFVCFAPFHFAFVPYTHSQTNNTDTCRLQNQLFI
 AKETTLFLAATNICMDPLIYIFLCKKFTEKLPCMQRKTTASSQENHSSQTDNITLG

PCTAIRE Protein Kinase 3

Nucleotide Accession No. X66362

G.I. 297101

Sequence

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 301 agaacctga agcacgcaa tattgtgacc ctgcatgacc tcatccacac agatcgggcc
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 1141 tgagccacgc ccaccttctg gtggccaagg gacaagagac cacatggagc acaaattcgg
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Protein I.D: CAA47005
Protein GI : 297102

Sequence:

KRLSLPMDIRLPQEFLQKLQMESPDLPKPLSRMSRRASLSDIGF
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YCHTRKILHRDLKPQNLLINERGELKLADFGGLARAKSVPTKTYSNEVVTLWYRPPDVL
LGSTEYSTPIAMWVGVCIHYEMATGRPLFPGSTVKEELHLIFRLLGTPTEETWPGVTA
FSEFRTYSFPCYLPQPLINHAPRLDTDGIHLLSSLLVYESKSRMSAEAAALSHSYFRSL
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G-Protein Coupled Receptor (BAI2)

Nucleotide Accession No.: NM_001703

GI: 4502356

Sequence

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Protein ID: NP_001694

Protein GI: 4502357

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GTPase regulator associated with focal adhsion kinase pp125 (GRAF)

Nucleotide Accession No: NM_015071

GI: 7662207

Sequence:

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Protein ID: NP_055886
Protein GI: 7662208

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Serine/threonine kinase 6 (STK6)

Nucleotide Accession No: NM_003600

GI:4507274

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Protein ID: NP_003591.1

Protein GI: 4507275

Sequence:

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Serine/Threonine Kinase (ULK, ULK1)

Nucleotide Accession No. NM_003565

GI: 4507832

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 5221 aaaaaaaa

Protein ID: NP_003556.1

Protein GI: 4507831

Sequence:

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Serine/Threonine Kinase 16 (MPSK1)

Nucleotide Accession No. NM_003691

GI: 4505836

Sequence:

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1381 aa
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Protein ID: NP_003682.1

Protein GI: 4505837

Sequence:

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Ribosome S6 Protein Kinase (RS6PK)

Nucleotide Accession No. NM_004755

GI: 4759051

Sequence:

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Protein ID: NP_004746.1

Protein GI: 4759052

Sequence:

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Tousled-like kinase 2 (TLK2, TLK2A, TLK2B)

Nucleotide Accession No. AF162667

GI: 6063018

Sequence:

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3121 catctcagta gggaaaaaat tgagtgggag tactgagatg tgtgggttt tgccattgga
3181 caaagaatga ggtagaaga ctgcagctg gagtctctt aggtttcaa ctattcttc
3241 acaattgaa cactgacgg ttgtccctt taattattt gaagtctat tttttaaat
3301 aaagggtcat ctgtccatgc aaaaaaa

Protein ID: AAF03095.1

Protein GI: 3063019

Sequence:

MEELHSLDPRRQELLEARFTGVGVSKGPLNSESSNQSLCSVGSL
SDKEVETPEKKQNDQRNRKRKAEPYETSQGKGTPRGHKISDYFEFAGGSAPGTSPGRS
VPPVARSSPQHSLSNPLPRRVEQPLYGLDGSAAKEATEEQSALPTLMSVMLAKPRLDT
EQLAQRGAGLCFTFVSAQQNSPSSSTGSGNTEHSCSSQKQISIQHRRTQSDLTIEKISA
LENSKNSDLEKKEGRIDDLLRANCDLRRQIDEQQKMLEKYKERLNRCVTMSKKLLIEK
SKQEKMACRDKSMQDRLRLGHFTTVRHGASFTEQWTDGYAFQNLKQKERINSQREEI
ERQRKMLAKRKPPAMGQAPPATNEQKQRKSKTNGAENETLTLAEYHEQEEIFKLRLGH
LKKEEAEIQAELERLERVRNLHIRELKRIHNEDNSQFKDHPTLNDRYLLHLLGRGGF
SEVYKAFDLTEQRYVAVKIHQLNKNWRDEKKENYHKHACREYRIHKELDHPRIVKLYD
YFSLDTSFCTVLEYCEGNDLDFYKQHKLMSEKEARSIIMQIVNALKYLNEIKPPII
HYDLKPGNILLVNGTACGEIKITDFGLSKIMDDSYNSVDGMELTSQGAGTYWYLPPE
CFVVGKEPPKISNKVDVWSVGVIIFYQCLYGRKPFGHNQSQQDILQENTILKATEVQFP
PKPVVTPEAKAFIRRCCLAYRKDRIDVQQLACDPYLLPHIRKSVSTSSPAGAAIASTS
GASNNSSSN"

Ethanolamine Kinase (EKI/ EKI1)

Nucleotide Accession No. NM_018638

GI: 21071078

Sequence:

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1 gtgaccggag gcgagaaacc ccgcctcggc accctgacgc agcgcaggac ccgccccgcg
 61 cgtgacgccg gcgtagggcc agccccggca tgctctgcgg ccgccccgcg tccagctccg
121 acaacaggaa tttctccga gagcggggcc ggctcagttc agctgctgtc cagaccggga
181 tcggcaacag tgccgcctcc agacgttctc ctgcgcgtcg ccgccccgtc ccagcgcccc
241 cagccctccc gcgagggcgc cccggggacgg aaggatccac cagtctgtcg gcgccccgcg
301 ttctcgtggt cgccgtcgcc gtcgtcgtgg tggtagtctc cgccgtcgcc tgggccatgg
361 ccaattacat ccacgtccct cccggctccc cggagggtgcc caagctgaac gtcaccgttc
421 aggatcagga ggagcatcgc tgccgggagg gggccctgag cctcctgcaa cacctgcggc
481 ctactggga cccccaggag gtgacctgc agctctcac agatggaatc acaaataaac
541 ttattggctg ttacgtggga aacacatagg aggatgtagt cctggtgaga atttatggca
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661 ctcatgggtg tgcaccacaa ctctactgta cctcaataa tggactatgc tatgaattta
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901 acattaataa aaggttccta agtgatatcc caagctctca gattctccag gaagagatga
961 ctggatgaa ggagattctt tccaacctgg gctcacctgt tgtgcttgc cataatgacc
1021 tattgtgtaa gaataataac tacaatgaga aacaaggtag tgtacagttc attgattatg
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1141 gtgtgagtga ttagactatc agtctgtatc cagatagaga actacagagt cagtggctgc
1201 gtgcttacct tgaagcctac aaagaattta agggctttgg gactgaagtt actgaaaagg
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1321 gattgtgggc ttgattcaa gccaaatact ccactattga gttgatttc ctggggtatg
1381 caattgttcg tttaaccag tactttaaaa tgaagcctga ggttactgca ttaaaagtgc
1441 ctgagtaaag aagagattta attattctcc agtagctgag caatgctgt gaatctttc
1501 ttaagaaatc caaaaagcc aatattagtt aaaattctgt tgttaattt ggttatctg
1561 cttataaat tatgcctcta aacaatcaaa tctattttg aaatagactg aatgatgtca
1621 agaaatatac ctactgctat ccgtatgtgg tggattagaa atgtgttaaa tctgcaaaag
1681 gtataaagat gtcagtttaa ttctttgat aatttaacct atgtgtatg tgaattatt
1741 attataaact tagcaccgatt ctgtgactgt tttctctgt ttcacgttcg ttgagtgtaa
1801 gcaatgaaaa tgtcccaaat aagttttta agtttactt taataagatt aatttcagta
1861 aacattctag ttgtcagtg taacctttt atcttgatgc attgtaagta aaatgaatca
1921 ttactcttg aaatgccagt cattgactga ttagataat ttaggatttt catataaaaa
1981 tagctgttta ggaaggtaga atacattcac tgtctctgt ggtgtacat ctgttgaat
2041 tcaatattag aaagtatttc ttttggggg aatataactt agaattaaat ccctgttct
2101 ctatgtatgc tggcagtata aatataaata ttaccatat aatcttgaa taagtattag
2161 ttaatgttac caaatctgt attaaataat gtttcaaat gctaaaaaaaa aaaaaaaaaa
2221 a
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Protein ID: NP_061108.2

Protein GI: 10092615

Sequence:

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MLCGRPRSSSDNRNFLRERAGLSSAAVQTRIGNSAASRRSPAAR
PPVPAPPALPRGRPGTEGSTLSAPAVLVAVAVVVVVSAVAVAMANYIHVPPGSPE
VPKLNVTVDQEEHRCREGALSLLQHLRPHWDPQEVTLQLFTDGITNKLIGCYVGNTM
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EDVVLVRIYGNKTELLVDRDEEVKSFRVLQAHGCAPQLYCTFNNGLCYEFIQGEALDP
KHVCNPAIFRLIARQLAKIHAIHAHNGWIPKSNLWLKMGKYFSLIPTGFADEDINKRF
LSDIPSSQILQEEMTWMKEILSNLGSPPVVLCHNDLLCKNIIYNEKQGDVQFIDYEYS
YNYLAYDIGNHFNEFAGVSDVDYSLYPDRELQSQWLRAYLEAYKEFKGFGTEVTEKEV
EILFIQVNQFALASHFFWGLWALIQAKYSTIEFDLGYAIVRFNQYFKMKPEVTALKV
PE

MAP kinase-interacting serine/threonine kinase1 (MKNK)

Nucleotide Accession No. NM_003684

GI: 21361100

Sequence:

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1 ggcacgaggg cgaccgctcc cggcgaggag ccagcgaagg ttccatgtc agaggccgat
 61 ggagaactga agattgccac ctacgcacaa aggccattga gacacttctg gtactgtgaa
121 gacaccaact tcttgacagg agctttattt catttgggat tcaagtta cagatggtat
181 ctctcaaaa gttgaaaaa cctatagaga tgggcagtag cgaacccctt cccatcgag
241 atggtgacag gaggaggaag aagaagcga ggggcccggc cactgactcc ttgccaggaa
301 agttgaaga tatgtacaag ctgacctctg aattgcttg agaggagcc tatgcaaag
361 ttcaagggtc cgtgagccta cagaatggca aagagtatgc cgtcaaaatc atcgagaaac
421 aagcagggca cagtcggagt aggggtttc gagagggtga gacgtgtat cagtgtcagg
481 gaaacaagaa catttgag ctgattgagt tcttgaaga tgacacaagg ttacttgg
541 tcttgagaa attgaagga ggtccatct tagcccat ccagaagaa aagcactca
601 atgagcgaga agccagccga gtgtgctgg acgtgtgtc tgccctgac ttctgcata
661 ccaaagacaa agtctcttc tgcacctag gctggagtgc tatggcgcca tcagggtcta
721 ctgagcccc aacctccctg ggctccagtg atcctccac ctgagcctcc caagtagctg
781 ggactacagg cattgtcat cgtgatctga aaccagaaaa tatattgtg gaatctccag
841 aaaagggtc tccagtgaat atctgtgact ttgactggg cagtgggatg aaactgaaca
901 actcgttac cccataacc acaccagagc tgaccacccc atgtggctct cgagaataca
961 tggccctga gtagtgag gtcttcacg accaggccac attctacgac aagcgtgtg
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1081 gtactgagg ggcgactgt ggctgggacc gggcgaggt ctgagggtg tgccagaaca
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2101 gagccttct cattcaggaa atcaaatcag tctccggtc tgcagcagg aaaagcacat
2161 aatcttctt tgctgtgact gaaatgatc cctcgttat catcccttt gtttgtatt
2221 gctgctaaag tcagtagtat cgtttttta aaaaaaagt ttggtgttt taacctgct
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2281 gttccagcaa agatgatacc ttaaactccc actgcaagcc catgaacttc ccagagagtg
2341 gaacggcttg ctctctttc tagaatgtcc atgcacttgg gtttaataca gcagttccct
2401 attattctga tttaagctg ttctgtgat gaacttagag acagcatcgg tgtctgctgc
2461 tgtgtcccca ggtcttgtgt ggggtgcaca gatctgggca gtagatagt gctctgtgcc
2521 taagggtgaag ccacactagg gtgaagcctc acttccctgt ttgagcaatg cagtgcctgc
2581 tgcccgctgt catgaaggta cagccattca gataagtga actattgagt tacataaaga
2641 aaatagattt gcatttgtca ggcagacgtt tatacaacac cacggtgctt ttatacattg
2701 tgcttatttt aataaaactg aaattctaaa aaaaaaaaaa aaaaa

Protein ID: NP_003675.2

Protein GI: 21361101

Sequence:

MVSSQKLEKPIEMGSSEPLPIADGDRRRKKKRRGRATDSLPGKF
EDMYKLTSELLGEGAYAKVQGA VSLQNGKEYAVKIIKQAGHSR SRVFREVETLYQCQ
GNKNILELIEFFEDDTRFYLVFEKLQGGSILAHIQKQKHFNEREASRVVRDVAALDF
LHTKDKVSLCHLGSAMAPSGLTAAPTSLGSSDPPTSASQVAGTTGIAHRDLKPENIL
CESPEKVSPVKICDFDLGSGMKLNNSCTPITTPELTTPCGSAEYMAPEVVEVFTDQAT
FYDKRCDLWSLGVVLYIMLSGYPPFVGHCGADCGWDRGEVCRVCQNKLFESIQEGKYE
FPDKDWAHISSEAKDLISKLLVRDAKQRLSAAQVLQHPWVQGQAPEKGLPTPQVLQRN
SSTMDLTLFAEAIALNRQLSQHEENELAEPEALADGLCSMKLSPPCKSRLARRRAL
AQAGRGEDRSPTAL

Homo sapiens cDNA (FLJ20559, UK, UKH)

Nucleotide Accession No. NM_017881

GI: 8923529

Sequence:

1 aaaggggcct ctggtgaccg cccctacctg gcatccctct aaccaggag gagcgtggg
61 aaaggggctg tgggcctctc ggggagcgag ctgcgggtag cggcgactg ggtacaggcg
121 cgcgctggc tgcgcctct tccgctgtgt ttggaggac tcgaactggc gccaggaaat
181 attaggaagc tgtgatttc aaagctaatt atgaaaacat ttatcattgg aatcagtgg
241 gtgacaaaca gtggcaaac aacactggct aagaatttc agaaacacct cccaaattgc
301 agtgcatac ctcaggatga ttcttcaag ccagagctg agatagagac agataaaaat
361 ggattttgc agtacgatgt gctgaagca ctaacatgg aaaaaatgat gtcagccatt
421 tctgctgga tggaaagcgc aagacactct gtggtatcaa cagaccagga aagtgtctgag
481 gaaatccca tttaatcat cgaaggttt ctctttta attataagcc cctgacact
541 atatggaata gaagctattt cctgactatt ccatatgaag aatgtaaaag gaggaggagt
601 acaagggct atcagcctcc agactctcc ggatacttg atggccatgt gtggcccatg
661 tatctaaagt acagacaaga aatgcaggac atcatatggg aagttgtga cctggatgga
721 acaaaaatcg aagaggacct cttttgcaa gtatatgaag atctaataca agaactagca
781 aagcaaaagt gtttgaagt gacagcataa agacggaaca caacaaatcc ttctgaagt
841 gaattaggaa actccaagga gtaatttaag aacctcacc aagatacaat gtatactgtg
901 gtacaatgac agccattgtt tcatatgtt gattttatt gcacatggt ttccaacat

961 gtggaacaat aaatatccat gccaatggac aggactgtac cttagcaagt tgctccctct
1021 ccaggagcg catagatata gcagagctca cagtgtgtca gaaagtctcc actttctgaa
1081 catagctcta taacaatgat tgtcaaacct ttctaactgg agctcagagt aagaaataaa
1141 gattacatca caatccaaaa aaaaaaaaaa aa

Protein ID: NP_060351.1

Protein GI: 8923530

Sequence:

MKTFIIGISGVTNSGKTTLAKNLQKHLPNCSVISQDDFFKPESE
IETDKNGFLQYDVLEALNMEKMMSAISCWME SARHSVVSTDQESAEEIPILIEGFL
FNYKPLDTIWNRSYFLTIPYEECKRRRSTRVYQPPDSPGYFDGHVWPMYLYRQEMQD
ITWEVVYLDGTKSEEDLFLQVYEDLIQELAKQKCLQVTA

Homo sapiens cDNA (FLJ13351, FLJ13)

Nucleotide Accession No. AK023413

GI: 10435341

Sequence:

1 gctggaaccc ggcgccgaga gtagagaaaa ggggcctctg gtgaccgccc ctacctggca
61 tccctctaac ccaggaggag cgtggggaaa ggggctgtgg gcctctcggg gagcgagctg
121 cgggtagcgg cgcactgggt acaggcgcg ccttggtgt cgcctctgcc gctgtgttg
181 ggaggactcg aactggcgcc aggaatat aggaagctgt gatttcaaa gctaattatg
241 aaaacattta tcattggaat cagtgggtg acaaacagt gcaaaacaac actggctaag
301 aattgcaga aacacctccc aaattgcagt gtcatactc aggatgatt ctcaagcca
361 gactctgaga tagagacaga taaaaatgga ttttgcagt acgatgtgct tgaagcactt
421 aacatggaaa aaatgatgtc agccatttcc tgctggatgg aaagcgcaag acactctgtg
481 gtatcaacag accaggaaag tgctgaggaa attcccat ttatcatcga aggttttct
541 cttttaatt ataagtaagc atctccacc taatattgtc tctgagtga tggggggata
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661 agctatttcc tgactattcc atatgaagaa tgtaaaagga ggaggaggta agtttgaac
721 catctttgtg agttgtaatt caaaacaaaa aatgtagaag aaaaatgagg acagcaacat
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961 ccatggtgat taggatttta atgtaagtga gcctgttctg ccacagctac aaagaacacc
1021 aattagtica aagcttaac caacatagt gtctctccat tgtattttac actattgtc
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1141 attacaaagt taattttaat atcaaagaac taaatccatg ttactgtcgt tctaactgcc
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1261 attcccat tatcctgacc attcatatt tactttatca attgtgtgt tctgtcaaca
1321 taaagttcc tacgtgttt gatagtacaa ggttctatca gcctccagac tctccgggat
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1441 catgggaagt tgtgtacctg gatggaacaa aatctgaaga gacaccttt ttgcaaglat
1501 atgaagatct aatacaagaa ctagcaaagc aaaagtgtt gcaagtgaca gcataaagac

1561 ggaacacaac aaatccttcc tgaagtgaat taggaaactc caaggagtaa ttaagaacc
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1741 ctgtacctta gcaagttgct cctcttccag ggagcgcata gatacagcag agctcacagt
1801 gagtacagaaa gtctccactt tctgaacata gctctataac aatgattgtc aaacttttct
1861 aactggagct cagagtaaga aataaagatt acatcacaat cc

Protein ID: -

Protein GI:-

Sequence:-

N-terminal kinase-like (Telomerase associated; NTKL)

Nucleotide Accession No. AF225424

GI: 9963850

Sequence:

1 cagccgagca agcaaaaatt cttccaggag ctgagcaaga gcctggacgc attccctgag
61 gattctgtcg gcacaagggt ctgccccagc tgctgaccgc ctctgagttc ggcaatgctg
121 gggccgtgtg ctcacgccc ctctcaagg tgggcaagtt cctgagcgtg gaggagtac
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301 cccagatctt cccccagtc gtacatggct tctggacac caaccctgcc atccgggagc
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421 agctgatgaa gcactttgca cggctacagg ccaaggatga acagggcccc atccgtgca
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1381 gggcctcgag actgacagtc gacaggtcaa ggctgagctg gcccgaaga agcgcgagga
1441 gcggcggcgg gagatggagg ccaaacgcgc cgagaggaag gtggccaagg gcccattgaa
1501 gctgggagcc cggaagctgg actgaaccgt ggcggtggcc ctcccggct gcggagagcc
1561 cggccacag atgtattat tgcacaaacc atgtgagccc ggccggccca gccaggccat
1621 ctacgtgta cataatcaga gccacaataa attctattc aaaaaaaaaa aaaaaaaaaa
1681 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa
1741 aaaaaaaaaa aaaaaaaaaa

Protein ID: AAG09726.1

Protein GI: 9963851

Sequence:

MFSSTDRAMRIRLLQQMEQFIQYLDEPTVNTQIFPHVHGFLLDT
NPAIREQTVKSMMLLAPKLNEANLNVELMKHFARLQAKDEQGPIRCNTTVCLGKIGSY
LSASTRHRVLTSAFSRATRDPFAPSRVAGVLGFAATHNLYSMNDCAQKILPVLGCLTV
DPEKSVRDQAFKAFRSFLSKLESVSEDPTQLEEEVEKDVHAASSPGMGGAASWAGWAW
TGVSSLTSKLIRSHPTTAPTETNIPQRPSRPARRPLGDAGGGQGHSRGQHC

CDC42-binding protein kinase beta (DMPK-like; CDC42, CDC42BPK)

Nucleotide Accession No. NM_006035

GI: 16357473

Sequence:

1 gggcggggct gagggcgggc gggcggggcc gcccgagctg ggagggcggc ggcgccgagg
61 ggaggagagc ggcccatgga cccgcggggc cggcgcccc agactctgcg ccgtcgggac
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 6781 aa

Protein ID: NP_006026.2

Protein GI: 16357474

Sequence:

MSAKVRLKKLEQLLLDGPWRNESALSVETLLDLVCLYTECSHS
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 LLTLLSKFEDKLPEDMARFYIGEMVLAIQSLHYVHRDIKPDNVLLDVNGHIRLAD
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 GETPFYAESLVETYGKIMNHEERFQFPSTVDVSEEAKDLIQRILCSRRRLGQNGIE
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Ribokinase (RSBK)

Nucleotide Accession No. AJ404857

GI: 10799802

Sequence:

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Protein ID: CAC12877.1

Protein GI: 10799803

Sequence:

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FYLAYYPNLSLEDMLNRSNFIAAVSVQAAGTQSSYPYKKDLPLTLF

G-protein-coupled receptor (EDG6)

Nucleotide Accession No. NM_003775

GI: 4503458

Sequence:

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Protein ID: NP_003766.1

Protein GI: 4503459

Sequence:

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Diacylglycerol kinase (DAGK)

Nucleotide Accession No. L38707

GI: 606756

Sequence:

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2821 atgcccggc ggatcgtgc cctgccctg agagcatcc taggtaggg tggctgggg
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2881 agcccaaggg ctgagccat ctctgctccc gccagcctg tttcaggtg gtctggaggc
2941 agctccacgt cacacagtgg ctgtcatata ttgaagttac ctccactg gaaaaaaaaat

Protein ID: AAA98749.1

Protein GI: 606757

Sequence:

MAAAAEPGARAWLGGGSPRPGSPACSPVLGSGGRARPGPGPGPG
RDRAGGVRARARAAPGHSFRKVTLTkPTFCHLCSDFIWGLAGFLCDVCNFMSEKCLK
HVRIPCTSVAPSLVRVPVAHCFGPRGLHKRKFCAVCRKVLEAPALHCEVCELHLHPDC
VPFACSDCRQCHQDGHQDHDTHHHHWREGNLPGARCEVCRKTCGSSDVLAVRCEWC
GVQAHSLCSAALAPECGFGRRLSLVLPACVRLLPGGFSKTQSFRIVEAAEPGEGGDG
ADGSAAVGPGRETQATPESGKQTLKIFDGDDAVRRSQFRLVTVSRLAGAEVLEAALR
AHHIPEDPGHLELCRLPPSSQACDAWAGGKAGSAVISEEGRSPGSGEATPEAWVIRAL
PRAQEVVKIYPGWLVGVAYVSVRVTPKSTARSVVLEVLPLLGRQAESPESFQLVEVA
MGRHVQRTMLMDEQPLLDRLQDIRQMSVRQVSQTRFYVAESRDVAPHVSLFVGGGLPP
GLSPEEYSSLLHEAGATKATVVSVSHIYSSQGAVLDVACFAEAERLYMLLKDMAVRG
RLLTALVLPDLLHAKLPPDSCPLLVFVNPKSGGLKGRDLLCSFRKLLNPHQVFDLTNG
GPLPGLHLFSQVPCFRVLVCGGDGTGVWVLGALEETRYRLACPEPSVAILPLGTGNDL
GRVLRWGAGYSGEDPFSVLLSVDEADAVLMDRWITLLDAHEAGSAENDTADAEPKIV
QMSNYCGIGIDAELSLDFHQAREEEPGKFTSRLHNKGYYRVGLQKISHSRSLHKQIR
LQVERQEVELPSIEGLIFINIPSWGSGADLWGSDDTRFEKPRMDDGLLEVGVGTGVV
HMGQVQGGRLRGIRIAQGSYFRVTLLKATPVQVDGEPWVQAPGHMIIAAGPKVHMLR
KAKQKPRRAGTTRDARADRAPAPESDPR

G protein-coupled receptor 12 (GPR12, GPCR12)

Nucleotide Accession No. U18548

GI: 604499

Sequence:

1 aagcttgtgg catttggtac tggatatga gcaggggctg gctttctgtt tgtctgtgtg
61 tttttgcat gatctggat tgcaccctg ctgtattaa acattaaaaa gcctgtctt
121 tcgtgaaga ggacaggggt taaaatgaat gaagacctga aggtcaattt aagcgggctg
181 cctcgggatt atttagatgc cgctgctgcg gagaacatct cggctgctgt ctctcccg
241 gttcctgcg tagagccaga gcctgagctc gtagtcaacc cctgggacat tgtcttgt
301 acctcgggaa cctcatctc ctgtgaaaat gccattgtg tccttatcat ctccacaac
361 cccagcctgc gagcaccat gttcctgcta ataggcagcc tggctcttgc agacctgctg
421 gccggcattg gactcatcac caatttgtt ttgcctacc tgcttcagtc agaagccacc
481 aagctgtgca cgatcggcct cattgtcgcc tctttctcg cctctgtctg cagctgtctg
541 gctatcactg ttgaccgcta cctctcactg tactacgctc tgacgtacca ttcggagagg
601 accgtcacgt ttacctatgt catgctcgtc atgctctggg ggacctccat ctgcctggg
661 ctgctgcccc tcatgggctg gaactgcctc cgagacgagt ccacctgcag cgtggtcaga
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781 atgcttcagc tctacatcca gatctgtaag attgtgatga ggcacgcca tcagatagcc
841 ctgcagcacc acttctggc cacgtcgac tatgtgacca cccggaaagg ggtctccacc
901 ctggctatca tctgggggac gtttctgtct tgctggatgc cttcaccct ctattcctg

961 atagcggatt acacctaccc ctccatctat acctacgcca cctcctgcc cgccacctac
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1081 tgtctcattt gctgcggctg catcccgccc agtctcgccc agagagcgcg ctgcccagt
1141 gatgttagc accctgcac ccaggaggac tctgcattta ccaagcactt ccactgcctg
1201 gccaaagttt gagatgctc cctgaattc

Protein ID: AAA91630.1

Protein GI: 604500

Sequence:

MNEDLKVNLSGLPRDYLDAAAAENISAAVSSSRVPAVEPEPELVV
NPWDIVLCTSGTLISCENAIIVLIIFHNPSLRAPMFLIGSLALADLLAGIGLITNFV
FAYLLQSEATKLVTIGLIVASFASVCSLLAITVDRYLSLYYALTYHSERTVTFTYVM
LVMLWGTSICLGLLPVMGWNCLRDESTCSVVRPLTKNNAILSVSFLFMFALMLQLYI
QICKIVMRHAHQIALQHHFLATSHYVTRKGVSTLAILGTFAACWMPFTLYSLIADY
TYSIYTYATLLPATYNSIINPVIYAFRNQEIQKALCLICCGCIPSSLAQRARSPSDV

Cytokine Inducible Kinase (CNK, PRK)

Nucleotide Accession No. U56998

GI: 1488262

Sequence:

1 ccgctccga gtgccttgcg cggacctgag ctggagatgc tggccgggct accgacgtca
61 gaccccgggc gcctcatcac ggacccgccc agcggccgca cctacctcaa aggccgcttg
121 ttgggcaagg ggggcttcgc ccgctgtcac gaggccactg acacagagac tggcagcgcc
181 tacgtgtgca aagtcacccc gcagagccgc gtcgccaagc cgcatcagcg cgagaagatc
241 ctaaagtgaga ttgagctgca ccgagacctg cagcaccgcc acatcgtgcg ttttcgcac
301 cactttgagg acgtgacaa catctacatt ttcttgagc tctgcagccg aaagtccctg
361 gccacatct ggaaggcccg gcacaccctg ttggagccag aagtgcgcta ctactgcgg
421 cagatcctt ctggcctcaa gtactgcac cagcgcggca tctgcaccg ggacctcaag
481 ttgggaaatt tttcatcac tgagaacatg gaactgaagg tgggggattt tgggctggca
541 gcccggttg agcctccgga gcagaggaag aagaccatct gtggcaccac caactatgtg
601 gctccagaag tgctgtgtag acagggccac ggccctgaag cggatgtatg gtcactggc
661 tgtgtcatgt acacgtgct ctgcgggagc cctcccttg agacggctga cctgaaggag
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841 atcctgcgcc atgacttct taccaagggc tacacccccg atcgactccc tatcagcagc
901 tgcgtgacag tcccagacct gacaccccc aaccagcta ggagtctgtt tgccaaagt
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1141 agctaccccc gtgggacact ggcaagcagt ggagatggat ttgaagaagg tctgactgtg
1201 gccacagtag tggagtcagc ctttgtgct ctgagaaatt gtatagctt catgccccca
1261 gcggaacaga acccgcccc cctggcccag ccagagcctc tgggtgggt cagcaagtgg

1321 gttgactact ccaataagtt cggctttggg tatcaactgt ccagccgccg tgtggctgtg
1381 ctctcaacg atggcacaca tatggccctg tcggccaaca gaaagactgt gcactacaat
1441 cccaccagca caaagcactt ctcttctcc gtgggtgctg tgccccgggc cctgcagcct
1501 cagctgggta tcttgccgta cttgcctcc tacatggagc agcacctcat gaagggtgga
1561 gatctgcca gtgtggaaga ggtagaggta cctgctccgc ccttgctgct gcagtgggtc
1621 aagacggatc aggcctcct catgctgtt agtgatggca ctgtccaggt gaactctac
1681 ggggaccaca ccaagctgat tctcagtggc tgggagcccc tcctgtgac tttgtggcc
1741 cgaaatcgta gtgctgtac ttacctgct tccaccttc ggcagctggg ctgctctcca
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1921 cttccccct tcctttgtg cctcactggg ggctttgggc cgaatcccc agggaatcag
1981 ggaccagctt tactggagtt gggggcggct tgtctcgt ggctcctacc ccatctcaa
2041 gataagcctg agccttagct cccagctagg gggcgttatt tatggaccac tttatttat
2101 tgcagacac ttatttatg ggatgtgagc cccagggggc ctctcctag gataataaac
2161 aattttgca

Protein ID: AAC50637.1

Protein GI: 1488263

Sequence:

MLAGLPTSDPGRITDPRSGRTYLKGRLLGKGGFARCYEATDTE
TGSAYAVKVIPQSRVAKPHQREKILNEIELHRDLQHRHIVRFSHHFEDADNIYIFLEL
CSRKSLAHIWKARHTLLEPEVRYYLRLQILSGLKYLHQRGILHRDLKLG NFFITENMEL
KVGDFGLAARLEPPEQRKK TICGTPNYVAPEVLLRQGHGPEADVWSLGCVMYTLLCGS
PPFETADLKETYRCIKQVHYTL PASLSL PARQLLAAILRASPRDRPSIDQILRH DFFT
KGYTPDRLPISSCVTPDLTPPNPARSLFAKVTKSLFGRKKKSKNHAQERDEV SGLVS
GLMRTSVGHQDARPEAPAASGPAPVSLVETAPEDSSPRGTLASSGDGFEEGLTVATV
ESALCALRN CIAFMPPAEQNPAPLAQPEPLVWVSKWVDYSNKFGFGYQLSSRRVAVLF
NDGTHMAL SANRKT VHYNPTSTKHFSFSVGAVPRALQPQLGILRYFASYMEQHLMKGG
DLPSVEEVEVPAPPLLLQWVKTDQALLMLFSDGT VQVNFYGDHTKLILSGWEPLL VTF
VARNRSACTYLASHLRQLGCSPDLRQRLRYALRLLRDRSPA

Mitogen-activated protein kinase kinase 5 (MAPKK5)

Nucleotide Accession No. U71087

GI: 1616778

Sequence:

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1 cctcctaacc agcgccagct gggtttccca taccacagga tgtgagcctc ttaacctgt
61 aatgctgtgg ctagcccttg gccccttcc tgccatggag aaccagggtg tgtaattcg
121 catcaagatc ccaaatagtg gcgcggtgga ctggacagtg cactccgggc cgcagttact
181 cttcagggat gtgctggatg tgataggcca ggttctgcct gaagcaacaa ctacagcatt
241 tgaatatgaa gatgaagatg gtgatcgaat tacagtgaga agtgatgagg aaatgaaggc
301 aatgctgtca tattattatt ccacagtaat ggaacagcaa gtaaatggac agttaataga
361 gcctctgcag atatttcaa gagcctgcaa gcctcctggg gaacggaaca tacatggcct
421 gaagggtgaat actcggggccg gaccctctca acacagcagc ccagcagctc cagattcact
481 tccaagcaat agctaaaga agtcttctgc tgaactgaaa aaaatactag ccaatggcca
541 gatgaatgaa caagacatac gatatcgga cactcttggc catggcaacg gaggcacagt
601 ctacaaagca tatcatgtcc cgagtgggaa aatattagct gtaaaggta tactactaga
661 tattacactg gaactcaga agcaaattat gtctgaattg gaaattcttt ataagtgcga
721 ttcatcatat atcattggat ttatggagc atttttgta gaaaacagga ttcaatatg
781 tacagaattc atggatgggg gatctttgga tgtatatagg aaaatgccag aacatgtcct
841 tggagaagaa gcagtagcag ttgttaaagg cttacttat ttgtggagtt taaagatttt
901 acatagagac gtgaagccct ccaatatgct agtaaacaca agaggacagg ttaagctgtg
961 tgattttgga gtagcactc agctggtgaa ttctatagcc aagacgtatg ttgaacaaa
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1081 gagcttagga atctcttta tggagcttgc tctgggagg ttccatatac ctacagattca
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1441 gtaaccaagg agaacaacc acccgtagc cttctccgta tctgcctgc gccagaagag
1501 ctttgctggg ccctggttc cctgccctg ccttcacct ctgtcag
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Protein ID: AAB16851.1

Protein GI: 1616779

Sequence:

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MLWLALGPFAMENQVLVIRIKIPNSGAVDWTVHSGPQLLFRDV
LDVIGQVLPEATTTAFEYEDGDRITVRSDEEMKAMLSYYYSTVMEQQVNGQLIEPL
QIFPRACKPPGERNIHGLKVNTRAGPSQHSAPVSDSLPSNSLKKSSAELKKILANGQ
MNEQDIRYRDTLGHGNGGTVYKAYHVPKGILAVKVILLDITLELQKQIMSELEILYK
CDSSYIIGFYGAFFVENRISICTEFMDGGSGLDVYRKMPHVLGRIAVAVVKGLTYLWS
LKILHRDVKPSNMLVNTRGQVKLCDFGVSTQLVNSIAKTYVGTNAYMAPERISGEQYG
IHSDVWSLGISFMELALGRFPYPQIQKNQGSMLPLQLQCIVDEDSPVLPVGEFSEPF
VHFITQCMRKQPKERPAPPEELMGHPFIVQFNDGNAAVSMWVCRALEERRSQQGPP
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Phosphatidylinositol 4-kinase, catalytic, beta polypeptide (PI4KB/ T3 PI4KB)

Nucleotide Accession No. U81802

GI: 1894946

Sequence:

1 gaagtccta tcagattaca ctgtgtgac tactccggag cagccactaa gagggatgaa
61 caggcctgcg tggaaattga atgagattag ttgagtcac gtcctatgag aatgctgaac
121 accatccaaa gcagcaaatt gagattcctt gatttggga agaggtttg gaggaaccct
181 tcaataattg gcatgggaca agaggggacc cagtccaagt gtatttggga ctgcagtag
241 ggaggaacaa ttcagagaga gcttgaagc tcgaagtctg gctgtggcca tgggagatac
301 agtagtgag cctgccccct tgaagccaac ttctgagccc acttctggcc caccagggaa
361 taatgggggg tccctgctaa gtgtcatcac ggaggggggc ggggaactat cagtattga
421 ccctgaggtg gcccagaagg cctgccagga ggtgttgag aaagcaagc ttgtcatgg
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541 cagtgaatc cgttgcctag atgatccacc tgcccagatc agggaggagg aagatgagat
601 gggggccgct gtggcctcag gcacagccaa aggagcaaga agacggcggc agaacaactc
661 agctaaacag tcttgctgc tgaggctgt ttgagcaaaa ctgttgaca tctccatggc
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2581 catgactgag gagcagctg agctgtgtg ggagcagatg gtggatggca gtatgcggtc
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2701 tctcagccc aggagtgtg ggggtccag ggcacctcc ctgagggcc ctgtttgag
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2881 tgggtccag actgttggg gttccctg cctcctgt ctgtcagt attaccacca
2941 gactgactcc aggactcact gccctcaga aaacagagg gacaaatgt agggacactg
3001 gggcctttc tctctgtg ggggtctc agaggttct tccacaggcc atccttat
3061 tccgttct

Protein ID: AAC51156.1

Protein GI: 1894947

Sequence:

MGDTVVEPAPLKPTSEPTSGPPGNNGGSLLSVITEGVGELSVID
PEVAQKACQEVLEKVKLLHGGVAVSSRGTPLELVNGDGV DSEIRCLDDPPAQIREED
EMGAAVASGTAKGARRRRQNNSAKQSWLLRLFESKLFDISMAISYLYNSKEPGVQAYI
GNRLFCFRNEDVD FYLPQLLNMYIHMDDEDVGDAIKPYIVHRCRQSINFSLQCALLVGA
YSSDMHISTQRHSRGTKLRKLILSDELKPAHRKRELPSLSPAPDTGLSPSKRTHQRSK
SDATASISLSSNLKRTASNPKVENEDVPRLAPEREFIKSLMAIGKRVVTLPTKEQKT
QRLISELSLLNHKLPARVWLSTAGFDHHVVRVPHTQAVVLNSKDKAPYLIYVEVLECE
NFDTTSPARIPENRIRSTRSVENLPECGITHEQRAGSFSTVPNYDNDDEAWSVDDIG
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QGSQ LPCFHGSSTIRNLKERFHMSMTEEQLQLLVEQMVDGSMRSITTKLYDGFQYLTN
GIM

Fms-related tyrosine kinase 4 (FLT4)

Nucleotide Accession No. X69878

GI: 297049

Sequence:

1 acccacgcgc agcgggccgga gatgcagcgg ggcgcgcgcg tgtgcctgcg actgtggctc
61 tgcttgggac tcctggacgg cctggtgagt gactactcca tgaccccccc gacctgaac
121 atcacggagg agtcacacgt catgcacacc ggtgacagcc tgtccatctc ctgcagggga
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Protein ID: CAA49505.1

Protein GI: 297050

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Protein serine kinase H1 (PSKH1)

Nucleotide Accession No. XM_0430447

GI: 22067477

Sequence:

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Protein ID: XP_043047.1

Protein GI: 14776113

Sequence:

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Inosito 1,4,5-triphosphate 3-kinase C (ITPKC)

Nucleotide Accession No. Y11999

GI: 1914774

Sequence:

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Protein ID: CAA72728.1

Protein GI: 1914775

Sequence:

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